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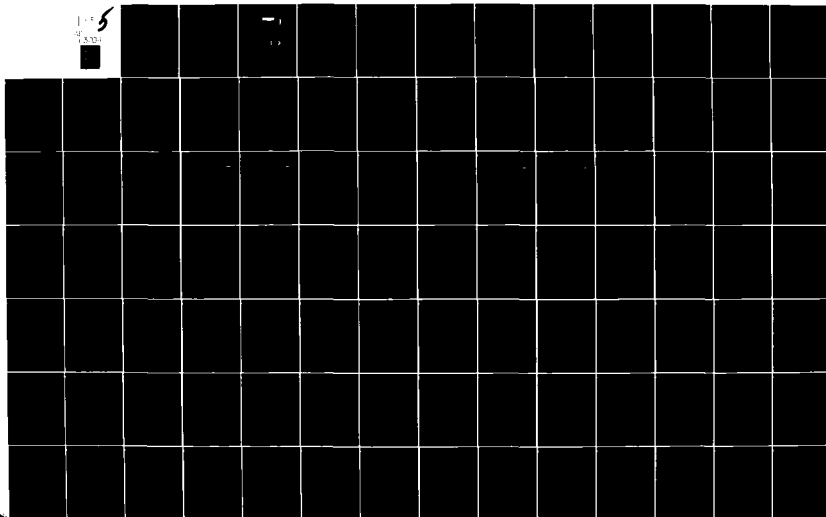
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC (U)
FEB 82

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USAFETAC/DS-82/012

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USAFETAC/DS-82/012

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Air Weather Service (MAC)

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6 FEB 1982

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

RANDOLPH AFB TX

N 29 32 W 098 17

FLD ELEV 761 FT

RND

MSC #722536

PARTS A-F

POR FROM HOURLY OBS: JUN 69 - DEC 70, JAN 73 - MAY 81

POR FROM DAILY OBS: MAY 38 - AUG 39, OCT 39 - JAN 46,
MAY 46 - MAY 81

TIME CONVERSION GMT TO LST: -6

FEB 08 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

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Distribution Unlimited

Review and Approval Statement

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This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

PHOTOGRAPH THIS SHEET

ADE850152

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USAFETAC/DS-82/012

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8 Feb. 82

DISTRIBUTION STATEMENT A

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DTIC FORM 70A
OCT 79

DOCUMENT PROCESSING SHEET

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U.S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. ON SUMMARY 722536	STATION NAME RANDOLPH AFB TEXAS/SAN ANTONIO	LATITUDE N 29 32	LONGITUDE W 098 17	FIELD ELEV (FT) 761	CALL SIGN RND	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Randolph Field, San Antonio	AAF	Apr 38	May 48	N 29 32	W 098 17	743	755	24
2	Randolph AFB, Texas	AFB	Jun 48	Mar 53	Same	Same	Same	Same	24
3	Same	Same	Apr 53	Aug 75	Same	Same	761	743	24
4	Same	Same	Sep 75	Dec 79	Same	Same	Same	Same	24
			Jan 80	Nov 81	Same	Same	761	NA	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 38	Located in Administration Bldg.	Anemometer	None	20 ft	Removed
2	Jun 48	Located at Weather Station.	Selsyn	ML-144	43 ft	Removed
3	Apr 53	Located in Base Weather Station.	Same	Same	Same	Removed
4	Apr 55	Located on Top of Station.	Same	Same	65 ft	Removed
5	Apr 58	Located in the East Tower.	AN/GMQ-11	RO-362	5 ft	RO2 Replaced with RO362
6	Apr 60	Located approx. on the center and 800 ft ENE of Rnwy 14L-32R.	Same	Same	13 ft	
7	Jan 62	Dual Instrumented				
		1. Approx, centered on and 850 ft ENE of centerline of Rnwy 14L-32R.	Same	Same	Same	
		2. Approx, centered on and 550 ft WSW of centerline of Rnwy 14R-32L.	Same		Same	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	Apr 65	Dual Instrumented 1. Same 2. Located 550 ft WSW of center- line and 2875 ft SW of Rnwy 14R.	Same Same	Same	Same Same	
9	Jan 67	Triple Instrumented 1. Approx 550 ft ENE of center- line of Rnwy 32R and 1450 ft from end of Rnwy 32R. 2. Approx 600 ft ENE of center- line of Rnwy 14L and 700 ft from end of Rnwy 14C. 3. Located 550 ft WSW of center- line and 2875 ft SW of Rnwy 14R.	Same Same Same	Same	Same Same Same	
10	Oct 70	Triple Instrumented 1. Located 520 ft ENE of center- line, 1330 ft NE of end of Rnwy 32R. 2. Located 410 ft ENE of center- line, 905 ft SE of end of Rnwy 14L. 3. Located 520 ft WSW of center- line, 2450 ft SSW of end of Rnwy 14R.	Same Same Same	Same	Same Same Same	
11	Jan 71	Triple Instrumented 1. Same 2. Same 3. Same	AN/GMQ-20 Same AN/GMQ-11	RO-362 RO-2	Same Same Same	
12	Aug 75	1. Same 2. Same 3. Same	Same Same Same	Same	Same Same Same	
13	Dec 79	1. Same 2. Same 3. Same	Same Same Same	Same Same	Same Same Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

700136 RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	15.6	1.4	.8	.1	17.0	19.5	.8			19.8	930
	03-05	.2	15.9	1.8	.4		17.7	24.0	1.1			24.0	930
	06-08	.1	15.3	1.0	.2		16.3	27.7	1.0		.1	28.2	930
	09-11	.2	13.1	.1	.1		13.3	24.4	3.1		.1	26.0	930
	12-14	.1	10.9		.2	.1	11.0	13.4	4.0			16.0	930
	15-17	.1	10.4	.1			10.5	10.0	2.5			11.7	930
	18-20	.4	11.8	1.1			12.6	13.3	.9			13.4	930
	21-23	.1	12.8	1.1	.5		13.9	14.7	1.2			15.5	930
TOTALS		.2	13.2	.8	.3	.0	14.1	18.4	1.8		.0	19.3	7440

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

70736 RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.4	11.6		.4		12.2	16.0	.1		.5	16.5	645
	03-05	.1	14.2	.4	.6		15.0	23.4	.4		.2	23.6	645
	06-08	.2	14.4	.7	.2		15.4	30.9	1.2		.2	31.4	646
	09-11	.5	12.2	.4	.1	.1	12.6	22.8	2.6		.1	24.0	646
	12-14		8.7		.4		9.0	9.8	2.5			11.6	646
	15-17		7.2	.2	.2		7.6	7.4	1.7			8.7	646
	18-20		7.6	.4	.6	.2	8.3	7.9	.7			8.3	646
	21-23		7.7		.7		8.0	10.3	.2		.1	10.4	646
TOTALS		.2	10.5	.3	.4	.0	11.0	16.1	1.2		.1	16.9	6767

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

702036

RANDOLPH AFB TX

70,73-81

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.9	11.0		.1		11.1	13.1	1.4		.4	14.4	930
	03-05	.4	13.4				13.4	21.5	1.5		.1	23.4	930
	06-08	.4	14.1				14.1	30.6	3.4		1.5	33.2	930
	09-11	.2	12.8				12.8	21.0	3.7		.9	24.1	930
	12-14	.1	7.8				7.8	9.6	3.0		.3	12.3	930
	15-17	.2	5.4				5.4	4.4	1.8		.1	6.2	930
	18-20	.9	5.2				5.2	4.6	1.2		.4	6.2	930
	21-23	.9	6.6				6.6	7.4	1.9		.5	9.9	930
TOTALS		.5	7.5		.0		9.6	14.1	2.2		.7	16.2	7440

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 0736 RANDOLPH AFB TX

73,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APR	00-02	2.6	9.7				9.7	14.1	2.8		.2	16.3	900
	03-05	3.2	13.6				13.6	27.1	3.1		.2	29.1	900
	06-08	2.6	14.4				14.4	39.4	7.7			44.3	900
	09-11	1.6	11.9				11.9	19.2	5.8		.4	24.8	900
	12-14	1.1	8.4				8.4	8.1	3.0		.1	10.8	900
	15-17	1.7	5.4				5.4	4.6	2.3			6.7	900
	18-20	1.0	3.6				3.6	5.4	1.9		.2	7.2	900
	21-23	1.3	5.9				5.9	7.8	2.7		.1	10.4	900
TOTALS		1.9	9.1				9.1	15.7	3.7		.2	19.7	7200

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

712136 RANDOLPH AFB TX

75,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	2.7	6.9				6.9	11.3	3.2			13.0	930
	03-05	4.0	3.8				6.8	26.1	3.1			27.8	930
	06-08	1.6	8.1				8.1	36.2	9.2			40.9	730
	09-11	1.8	7.0				7.0	11.8	9.1			19.2	930
	12-14	2.2	5.5				5.5	3.7	5.6			8.9	930
	15-17	2.6	5.4				5.4	2.7	3.8			6.2	930
	18-20	3.6	4.9				4.9	2.5	2.9			5.2	927
	21-23	3.7	4.4				4.4	3.8	1.8			4.9	927
TOTALS		2.8	6.4				6.4	12.3	4.9			15.8	7434

USAF CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

702136 RANDOLPH AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.6	3.6				3.6	2.0	1.0			2.6	960
	03-05	1.9	2.8				2.8	12.6	2.8			13.3	900
	06-08	2.1	4.7				4.7	23.0	11.6			27.8	900
	09-11	1.1	3.6				3.6	1.9	2.3			4.0	899
	12-14	1.1	2.4				2.4	.9	.6			1.4	900
	15-17	1.2	3.0				3.0	.4	.4			.9	900
	18-20	1.2	3.1			.1	3.1	.7	.6			1.1	900
	21-23	1.0	2.9				2.9	.4	.1			.6	900
TOTALS		1.4	3.3			.0	3.3	5.2	2.4			6.5	7199

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

7-27-36 RANDOLPH AFB TX

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02		.9				.9	2.3	1.6			3.5	930
	03-05	.1	3.3				3.3	7.0	2.6			8.6	930
	06-08		4.9				4.9	17.2	8.6			21.4	930
	09-11	.4	3.9				3.9	1.4	3.4			4.7	930
	12-14	1.0	4.6				4.6	.3	1.5			1.8	930
	15-17	3.0	5.9				5.9	.5	.9			1.4	930
	18-20	1.4	3.4				3.4	.6	.5			1.2	930
	21-23	.6	1.4				1.4	.5	.5			1.1	930
TOTALS		.8	3.5				3.5	3.7	2.5			5.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702936 RANDOLPH AFB TX

69-70, 73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.8	2.9				2.9	1.8	1.3			2.8	930
	03-05	.3	2.9				2.9	9.0	4.0			10.5	930
	06-08	.5	3.4				3.4	23.5	15.2			28.0	930
	09-11	.9	3.5				3.5	2.0	3.4			4.8	930
	12-14	3.0	4.6				4.8	.3	1.1			1.3	930
	15-17	3.2	4.9				4.9		.9			.9	930
	18-20	2.4	4.2				4.2	.4	.9			1.3	930
	21-23	1.2	3.1				3.1	.6	.5			1.2	930
TOTALS		1.5	3.7				3.7	4.7	3.4			6.4	7440

U.S. AIR FORCE
CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

720436 RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-01	1.0	4.6				4.6	6.9	2.3			8.0	900
	03-05	1.6	4.9				4.9	15.5	2.3			16.5	899
	06-08	1.0	7.4				7.4	30.7	8.9			33.2	900
	09-11	.4	6.2				6.2	6.0	6.2			12.7	900
	12-14	.9	6.2				6.2	1.4	4.3			5.6	900
	15-17	2.2	6.7				6.7	1.4	3.7			4.6	900
	18-20	3.0	6.8				6.8	1.9	3.9			5.3	900
	21-23	1.2	5.8				5.8	2.7	3.2			5.0	900
TOTALS		1.4	6.1				6.1	8.3	4.4			11.1	7199

USAF CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

772536 RANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.8	5.3				5.3	6.7	.9			6.8	930
	03-05	.3	6.1				6.1	16.8	1.3			17.2	930
	06-08	.4	7.7				7.7	28.9	7.0			30.1	930
	09-11	.6	6.2				6.2	10.4	6.8			14.7	930
	12-14	1.0	5.3				5.3	2.4	2.3		.1	4.4	930
	15-17	1.1	5.6				5.6	2.0	1.4		.3	3.7	930
	18-20	1.1	4.4				4.4	2.4	1.1		.1	3.0	930
	21-23	.6	4.3				4.3	1.9	.4			2.3	930
TOTALS		.7	5.6				5.6	8.9	2.7		.1	10.3	7440

CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

192036 RANDOLPH AFB TX 69-70,73-80 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.6	7.6		.3		7.7	13.3	1.3			14.0	900
	03-05	.8	8.3	.2	.1		9.6	18.6	.3			18.6	900
	06-08	1.1	9.4	.3	.2		9.8	27.4	1.9			28.0	900
	09-11	.1	7.7				7.7	16.9	2.9			19.1	900
	12-14	.1	7.1				7.1	6.1	1.7			7.3	900
	15-17	.4	7.0				7.0	4.9	.6			5.4	900
	18-20	.8	7.3				7.3	6.4	.8			6.9	900
	21-23	.4	7.2		.2		7.2	6.8	1.0			7.1	900
TOTALS		.5	7.7	.1	.1		7.8	12.6	1.3			13.3	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFM WEATHER SERVICE/MAC

WEATHER CONDITIONS

702536 RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	9.5	.2	.1		9.7	13.8	.3		.2	14.0	930
	03-05	.6	12.3				12.3	19.9	.1		.3	20.2	930
	06-08		11.9				11.9	24.4	1.3		.3	25.2	930
	09-11	.2	10.1				10.1	20.3	2.2		.1	21.7	930
	12-14		8.3				8.3	8.9	1.7			9.8	930
	15-17		7.8				7.8	6.8	1.2		.1	7.5	930
	18-20	.3	6.5				6.5	7.4	.6		.1	8.2	927
	21-23	.3	8.2		.1		8.2	8.4	.6			9.0	927
TOTALS		.2	9.3	.0	.0		9.4	13.7	1.0		.1	14.0	7434

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

72536

RANDOLPH AFB TX

69-70, 73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	13.2	.8	.3	.0	14.1	18.4	1.2		.0	19.3	7440
FEB		.2	10.5	.3	.4	.0	11.0	16.1	1.2		.1	16.9	6767
MAR		.5	9.5		.0		9.6	14.1	2.2		.7	16.2	7440
APR		1.9	9.1				9.1	15.7	3.7		.2	18.7	7200
MAY		2.8	6.4				6.4	12.3	4.9			15.8	7434
JUN		1.4	3.3			.0	3.3	5.2	2.4			6.5	7199
JUL		.8	3.5				3.5	3.7	2.5			5.5	7440
AUG		1.5	3.7				3.7	4.7	3.4			6.4	7440
SEP		1.4	6.1				6.1	8.3	4.4			11.1	7199
OCT		.7	5.6				5.6	8.9	2.7		.1	11.3	7440
NOV		.5	7.7	.1	.1		7.8	12.6	1.3			13.3	7200
DEC		.2	9.3	.0	.0		9.4	13.7	1.0		.1	14.5	7434
TOTALS		1.0	7.3	.1	.1	.0	7.5	11.1	2.6		.1	12.9	87633

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

CLIMATOLGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/HAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

102536 RANDOLPH AFB TX

46-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.4	44.8	3.0	2.9	.3	43.1	44.8	8.4			45.4	1085
FEB		5.5	43.1	1.2	1.7	.5	41.1	42.8	6.8		.3	43.8	989
MAR		7.2	44.0	.1	.5	1.6	41.8	40.4	11.7		.5	42.9	1085
APR		15.0	47.3		.1	1.6	44.6	44.1	14.2		.3	46.8	1050
MAY		20.3	44.4			1.4	42.0	41.8	18.0		.1	44.1	1085
JUN		14.9	30.9			.3	29.1	24.7	12.2			27.6	1020
JUL		12.9	23.7				22.3	15.4	8.1			17.5	1054
AUG		15.7	29.6			.2	27.9	19.2	10.8			21.5	1054
SEP		13.8	36.7			.2	33.5	31.9	12.7			34.2	1050
OCT		8.4	31.6			.3	28.9	36.1	12.5			38.0	1084
NOV		4.5	36.1	.2	.8		33.1	37.9	9.2			39.1	1050
DEC		2.5	38.5	.6	1.0	.1	35.5	39.1	7.7			40.0	1085
TOTALS		10.3	37.6	.4	.6	.5	35.2	34.8	11.0		.1	36.7	12691

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX

STATION NAME

36-81

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	55.6	19.8	3.6	6.9	4.1	4.3	2.7	1.7	1.3					24.6	1318	1.69	7.95	.00
FEB	55.7	19.0	3.0	5.8	4.2	4.3	3.5	2.9	1.5	.1				25.4	1182	2.05	6.73	.00
MAR	55.5	22.4	4.3	5.6	3.3	3.4	2.5	1.9	1.0	.1				22.1	1301	1.52	5.86	.01
APR	53.6	23.2	2.9	4.4	2.5	3.7	3.0	3.1	3.3	.3				23.2	1258	3.21	10.23	.20
MAY	56.7	17.8	2.5	5.1	3.1	4.3	3.8	3.7	3.3	.3	.1			26.2	1321	3.71	13.25	.00
JUN	64.3	14.3	1.4	3.0	1.9	2.3	2.3	3.1	2.7	.6				17.5	1254	3.08	7.71	.00
JUL	75.9	9.9	.7	3.2	2.2	2.6	2.1	1.5	1.7	.2				14.2	1295	1.74	8.59	.00
AUG	70.8	11.3	1.2	3.3	2.1	3.5	2.5	2.9	2.0	.2				17.8	1296	2.40	8.55	.00
SEP	64.5	12.9	1.9	4.2	2.0	3.0	4.0	3.7	3.0	.6	.1			22.6	1251	3.85	15.45	.00
OCT	67.7	12.4	2.3	4.2	2.2	3.6	2.0	2.6	2.3	.7	.1			20.0	1327	3.06	11.44	.00
NOV	64.2	17.1	2.0	3.6	2.1	3.6	3.3	2.1	1.5	.3	.1			18.6	1277	2.15	7.33	.00
DEC	61.5	16.5	3.0	6.1	4.0	3.9	2.0	2.1	.8	.1				22.1	1324	1.57	5.20	.00
ANNUAL	62.4	16.4	2.4	4.6	2.8	3.5	2.8	2.6	2.0	.3	.0			21.2	15404	30.03		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					* .00*	.00*	.00*	.00*	.00*	.00*	.00*	.00	
39	* .00*	.00	.42*	.38	1.08	.05	1.01	2.16		.07	.26	.58	
40	.55	.27	.34	2.52	1.69	2.83	.57	.82	.35	2.63	1.09	.96	2.83
41	1.20	.79	1.39	2.24	1.19	3.79	.52	.45	3.43	1.56	.47	.58	3.79
42	.21	1.11	.27	.98	.89	1.34	3.32*	2.06	3.65	5.07	.41	.10	5.07
43	.52	.04	1.11	.97	1.14	1.37	1.33	1.88	1.64	.80	1.09	.32	1.88
44	1.82	.49	1.18	.82	1.66	1.19	.12	.93	2.19	.95	1.15	1.36	2.19
45	1.38	1.04	2.95	.61	.10	1.91	1.43	.43	1.68	3.14	.62	.37	3.14
46	.84*	.52							1.84	.66	1.40	1.65	
47	.71	.14	1.28	.11	2.51	.01	.88	2.08	TRACE	.11	.55	.84	2.51
48	.29	.55	.24	.93	1.27	2.89	.15	.65	1.23	1.50	.41	.11	2.89
49	1.09	2.24	.60	2.53	.42	3.09	.73	.51	.74	2.86	.03	.85	3.09
50	.06	.43	.08	1.83	1.45	2.53	.56	.76	.92	.31	.16	TRACE	2.53
51	.22	1.26	1.46	.22	2.05	2.25	TRACE	.37	1.68	.55	.52	.10	2.25
52	.47	.75	1.36	2.14	1.96	1.42	1.45	TRACE	2.54	.00*	1.34	.85	2.54
53	.50	.40	.19	1.47	.27	2.96	.02	2.29	3.90	.85	.35	2.49	3.90
54	.24	.09	.05	.98	.83	2.06	.86	.24	.56	.71	.22	.13	2.06
55	1.20	3.10	1.38	.16	1.10	.83	.38	.50	.30	.03	.80	.63	3.10
56	.72	.36	.13	.25	1.72	.26	.04	2.78	.35	.25	.55	2.14	2.78
57	.36	1.41	.90	2.17	3.42	1.32	1.05	.06	4.41	1.63	1.01	.57	4.41
58	1.31	1.98	.36	1.16	1.58	.63	1.29	.23	2.27	1.14	.90	.29	2.27
59	.18	.66	.12	2.13	1.52	1.99	1.93	1.21	.55	4.15	.80	1.15	4.15
60	.46	.69	1.01	1.65	.39	3.55	.41	2.23	.80	2.49	.49	1.07	3.55
61	.24	1.38	.06	.38	.14	2.29	2.11	.85	.70	2.71	1.75	.16	2.71
62	.12	.85	.53	1.45	1.04	.91	TRACE	.67	1.78	.26	3.21	.80	3.21
63	.28	1.78	.07	1.67	1.93	1.23	.47	.27	1.36	1.63*	.84	.69	1.93
64	2.09	.56	2.04	.55	1.12	1.68	.11	1.50	1.21	1.88	3.82	1.83	3.82
65	1.58	1.74	2.02	1.37	2.24	1.03	.05	.14	1.67	2.90	3.05	3.16	3.16
66	.36	.80	.60	.85	1.34	1.34	.12	1.73	.63	.28	TRACE	.18	1.73
67	.08	.19	1.45	.54	1.19	.02	1.77	.64	3.69	1.31	1.96	.43	3.69
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81 _____ YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38						* .00*	.00*	.00*	.00*	.00*	.00*	.00*	.00	
39		* .00*	.00	.61*	.38	2.74	.10	2.10	3.65		.15	.57	.79	
40		.61	1.08	1.00	4.23	3.66	7.71	1.11	.83	.66	5.23	2.07	3.75	31.94
41		2.55	2.40	2.67	6.68	3.42	6.55	.60	1.23	4.11	4.38	.86	1.12	36.57
42		.43	2.39	.40	2.98	2.08	2.12	8.59*	2.60	7.99	8.71	.63	.15	*39.07
43		1.03	.10	1.39	1.71	3.48	3.72	4.22	1.88	3.70	.97	2.13	1.37	25.70
44		4.55	1.55	3.04	1.81	5.62	2.79	.18	3.03	2.60	1.02	3.65	3.06	32.90
45		2.61	3.91	5.86	1.48	.38	4.00	2.18	.97	2.99	4.30	.62	.86	30.16
46		3.05*	.52						8.84	1.57	1.49	2.11		
47		3.11	.19	1.50	.25	7.48	.01	.88	4.49	TRACE	.17	1.39	1.87	21.34
48		.42	1.56	.66	1.44	3.43	3.56	.40	1.46	1.55	2.10	.92	.12	17.62
49		2.85	4.16	1.23	10.23	.86	7.52	1.61	1.01	1.12	10.41	.03	3.76	44.81
50		.26	1.90	.17	3.42	3.46	3.34	.90	1.09	1.99	.31	.30	TRACE	17.14
51		.47	2.83	2.91	.54	5.26	3.55	TRACE	.37	3.59	1.17	1.30	.16	22.19
52		.60	2.17	2.39	4.77	3.54	3.88	2.91	TRACE	5.66	.00*	3.81	2.78	*32.51
53		.58	1.08	.37	2.84	.88	3.06	.02	4.53	6.26	2.54	.40	3.52	26.08
54		.66	.09	.07	1.79	1.75	2.33	1.16	.32	.62	1.19	.51	.14	10.63
55		1.74	4.66	1.51	.20	3.01	2.66	1.08	1.86	.69	.10	1.29	.79	19.59
56		1.04	1.10	.27	.27	2.45	.30	.05	4.81	.55	.93	1.50	2.65	15.92
57		.53	2.86	3.72	8.38	7.86	2.62	1.16	.12	9.57	4.20	2.67	.95	44.64
58		4.19	5.15	1.00	1.93	3.28	1.88	2.07	.37	5.97	5.62	1.58	.74	33.78
59		.61	2.46	.18	4.29	3.61	4.84	3.81	3.24	1.54	5.48	1.11	2.56	33.73
60		1.17	1.80	1.79	2.89	1.15	5.02	.82	4.39	.90	11.44	1.78	2.71	35.86
61		.65	1.72	.13	.44	.16	6.27	5.36	1.47	2.04	4.43	3.61	.59	26.87
62		.56	1.26	.69	3.60	1.14	1.58	TRACE	.68	3.09	.35	4.51	1.88	19.34
63		.47	3.31	.15	1.94	2.43	2.02	.48	.53	2.58	3.33*	2.93	1.11	*21.28
64		3.04	2.11	2.62	1.30	2.44	3.06	.16	3.33	3.44	1.93	4.04	1.89	29.36
65		2.20	6.73	2.37	2.18	6.65	1.06	.08	.38	3.11	4.43	3.57	5.20	37.96
66		1.28	2.49	1.30	2.25	2.61	1.45	.16	6.33	2.33	.40	TRACE	.22	20.82
67		.11	.36	2.34	.60	2.82	.02	3.51	1.27	10.84	2.26	4.10	1.33	29.56
MEAN														
S. D.														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

38-81

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX

96-81

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	97.4	2.3	.2					.1						.3	1116	.1	5.0	.0
FEB	98.3	1.0	.2	.2	.2	.1								.7	989	.3	2.6	.0
MAR	99.7	.3													1085	TRACE	TRACE	.0
APR	99.9	.1													1050	TRACE	TRACE	.0
MAY	99.9	.1													1085	TRACE	TRACE	.0
JUN	100.0														1020	.0	.0	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1054	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	100.0														1084	.0	.0	.0
NOV	99.3	.7													1047	TRACE	TRACE	.0
DEC	99.1	.8		.1										.1	1085	TRACE	.6	.0
ANNUAL	99.5	.4	.0	.0	.0	.0		.0						.1	12719	.4		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

46-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
46	TRACE								.0	.0	.0	TRACE	
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
64	TRACE	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
65	.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
66	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
67	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8
68	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	TRACE	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

(FROM DAILY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX STATION NAME

46-81

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

46-81 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	TRACE								.0	.0	.0	TRACE	
47	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	*TRACE
64	TRACE	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
65	.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
66	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
67	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9
68	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	TRACE	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

(FROM DAILY OBSERVATIONS)

YEARS

FORM 0-98-5 (OL A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

122536
STATION

RANDOLPH AFB TX
STATION NAME

38-81
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	98.9	.8	.2	.1		.1								.3	1333			
FEB	99.4	.3	.1	.2	.1									.3	1194			
MAR	99.9	.1													1302			
APR	100.0														1260			
MAY	100.0														1333			
JUN	100.0														1260			
JUL	100.0														1302			
AUG	100.0														1302			
SEP	100.0														1260			
OCT	100.0														1332			
NOV	99.8	.2													1287			
DEC	100.0														1333			
ANNUAL	99.8	.1	.0	.0	.0	.0								.0	15498			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					0	0	0	0	0	0	0	0	
39		0	0	0	0	0	0	0	0	0	0	0	
40	2	0	0	0	0	0	0	0	0	0	0	0	2
41	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0*	0							0	0	0	0	
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	5	0	0	0	0	0	0	0	0	0	0	0	5
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	TRACE	0	TRACE
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	TRACE	0	0	0	0	0	0	0	0	0*	0	0	TRACE
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	1	0	0	0	0	0	0	0	0	0	0	1
66	0	3	0	0	0	0	0	0	0	0	0	0	3
67	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

(FROM DAILY OBSERVATIONS)

732536 RANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX

48-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
48					W	*45S	*50SE	40SE	33SSE*39NE	*39N	*43NE	*33	
49	N	*35	S	*32NE	*43NW	36S	49E	35ENE	35E	30N	53NE	35WNW	44
50	N	38N	39NE	39WNW	44NE	41ESE	34SE	30E	28NNW	33NE	27N	46NNW	43
51	NNW	44NNE	38NNE	42NNE	40SE	43NE	46E	30SSE	43SSE	48NE	34NNE	46N	35
52	N	42W	41NNW	52N	35N	35NE	36NNW	37ESE	28ENE	36NE	34NNE	43NNW	34
53	NNE	42NNE	32N	37WSW	48N	33SE	30ESE	31ESE	29NNE	31WSW	40NNW	34NW	57
54	NW	36NNW	49N	40NW	43NNW	36ENE	31SSE*50N	49ESE	30NNE	36NNW	33N	41	SSE*50
55	NNW	41N	42NNW	43N	31NW	*33NNW	43N	47ENE	43E	33NNW	35NW	*43NNW	43
56	N	38NNW	44NNW	46SW	37WNW	65S	32SSE	35N	37SE	40ENE	42N	40N	43
57	SSE	39NNW	32WSW	49E	41ESE	33WSW	48NW	40SE	29N	32SE	30NNE	34NNE	34
58	NE	34WNW	38W	32NNW	29NNE	29NNW	31S	28S	29S	28NNE	28S	36N	32
59	S	34N	20N	30NNW	30E	35ESE	29SW	37NNE	34ENE	50WNW	27N	32NW	32
60	NNW	26NNW	42NNE	27N	37N	32NE	33NW	22SE	25N	29N	44N	30NNW	33
61	N	40NW	37NNW	32NNW	37N	33SSE	29SE	26NNE	41N	55N	*34NW	*34N	*39
62	N	38NW	29NNW	28SE	36NNW	35S	*31SSE	27N	35S	*25ENE	31N	*31W	*27
63	N	42N	36N	*36SE	*28E	37NNE*39S	32SSE*32SE	45W	33SE	*36NNE*29	SE	45	
64	NW	*34N	41NNW	42N	35SE	31SE	*36NNE*29ESE*42SE	28NNE	34N	32NNE	34	NNW	42
65	W	33N	40N	29WNW	37S	47ESE	31ESE	29ESE	40SE	28SE	*28N	*25WNW	29
66	NNW*31SSE*30N	*37E	*30NW	*36NE	29SSE	30NNE	33N	32N	28N	38NNW	37	N	38
67	NNE	28N	39N	34NW	39NNW	42S	30NW	38ESE	56E	32NNW	42NNW	38N	30
68	N	32NNW	35NNW	39N	34N	30WNW	3414/	2718/	4110/	3015/	3728/	3830/	37
69	2/	33	3/	3029/	40	8/	2927/	4814/	35	5/	2813/	3316/	2914/
70	36/	32	1/	3032/	3235/	3432/	3335/	2613/	2436/	5016/	3535/	31	1/
71	36/	3132/	4334/	4014/	3131/	4715/	3817/	3015/	30	4/	29	3/	30
72	30/	3036/	3035/	35	6/	3436/	38	7/	2436/	35	9/	30	3/
73	32/	48	3/	4127/	40	3/	45	7/	36	5/	3934/	3117/	3135/
74	25*	2917/	3417/	3119/	4729/	5134/	2616/	3822/	24	1/	2435/	31	2/
75	35/	4032/	3631/	3814/	4326/	3416/	30	9/	2114/	2536/	27	2/	2735/
76	36/	3730/	34	4/	3215/	3934/	3015/	2120/	28	9/	2035/	3336/	3036/
77	1/	3429/	3830/	3236/	3633/	3218/	3516/	2526/	3216/	42	2/	3136/	33
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64

0-88-5 (OLA)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

(FROM DAILY OBSERVATIONS)

72236 RANDOLPH AFB TX
STATION STATION NAME

48-21

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

128536 RANDOLPH AFB TX 70,73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	4.1	2.8	1.1	.2						15.4	7.9
NNE	1.2	3.1	4.3	5.1	.2							13.9	8.9
NE	1.6	3.5	2.3	1.7								9.1	6.8
ENE	.3	1.3	1.0	.1								3.2	5.9
E	.4	.6	.2									1.3	4.3
ESE	.3	.1	.1									.5	4.4
SE		.3	.3	.1								.8	7.4
SSE		.9	.8	.3								1.9	7.1
S	1.2	3.4	2.4	.5								7.5	6.1
SSW	1.2	1.6	.6									3.4	4.6
SW	2.2	1.7	.3	.1								4.3	3.8
WSW	1.2	1.2	.5	.1								3.0	4.6
W	1.1	1.4	.4									2.9	4.1
WNW	.8	.2	.1									1.1	3.5
NW	1.0	.9	.4	.4								2.6	5.7
NNW	4.9	7.2	1.0	1.0	.2							14.2	5.0
VARBL													
CALM												14.8	
	20.1	32.3	18.8	12.3	1.5	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX

STATION NAME

70, 73-81

YEARS

JAN

MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	6.5	4.5	3.7	.4	.3						19.5	7.5
NNE	1.3	2.8	5.2	4.7								14.0	9.0
NE	1.6	3.0	1.9	1.0								7.5	6.4
ENE	.1	1.0	1.1	.2								2.4	7.0
E	.7	.4	.1									.9	4.5
ESE	.2	.1	.1									.4	4.0
SE	.1	.5	.4									1.1	6.2
SSE	.1	.5	.3	.1								1.1	6.6
S	.9	2.2	1.0	.1								4.1	5.4
SSW	1.2	2.0	.5									3.8	4.5
SW	1.9	1.4	.2									3.5	3.5
WSW	1.5	1.3	.3	.1								3.2	4.4
W	1.9	1.2	.6	.4								4.2	4.8
WNW	.9	.5	.3	.1								1.8	4.8
NW	1.1	1.2	.6	.3								3.2	5.6
NNW	4.0	7.3	1.5	1.0	.2							14.0	5.3
VARB													
CALM												15.4	
	21.2	31.0	18.8	11.7	.6	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

2
CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722136
STATION

ANDOLPH AFB TX

STATION NAME

70.73-81

YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	6.6	5.7	5.4	.6	.4						22.2	6.2
NNE	1.7	4.4	4.4	4.2	.3							15.1	8.3
NE	1.2	3.9	3.0	.9								8.9	6.4
ENE	.5	.9	.9	.2								2.5	6.6
E	.6	.5	.1	.1								1.5	4.6
ESE	.2	.1										.3	2.7
SE	.2	.3	.1									.6	4.3
SSE	.2	.4	1.0									1.6	6.5
S	1.3	1.4	.5									3.2	4.6
SSW	1.0	1.0	.2									2.2	4.1
SW	1.1	1.3	.2									2.6	4.0
WSW	1.5	1.4	.3									3.2	3.9
W	1.5	1.1	.2	.2	.2	.1						3.4	5.8
WNW	.5	.2	.6	.1								1.5	6.0
NW	1.6	1.5	.3	.1		.1						3.7	4.6
NNW	4.6	7.0	.6	.6	.3							13.2	4.7
VARBL													
CALM												14.3	
	21.5	31.0	18.3	11.8	1.5	.6						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70236
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.1	4.7	6.7	2.0	.5						20.2	10.1
NNE	.2	2.8	5.7	5.6	.2	.1						15.3	9.5
NE	.9	2.7	4.3	2.5	.1							10.4	8.4
ENE	.6	2.5	2.3	.6								6.0	6.8
E	1.3	1.3	.2	.1								2.6	4.4
ESE	.5	.6	.1									1.4	3.9
SE	.2	.6	.3	.2								1.4	6.5
SSE	.3	.5	.6	.2								1.7	6.9
S	1.3	3.0	2.3	1.1	.2							7.8	7.1
SSW	1.2	1.6	1.1	.4								4.3	5.7
SW	1.5	.8	.9	.2								3.3	5.2
WSW	1.1	2.2	1.8	.3	.1							5.5	6.4
W	.6	1.6	.5	.2	.2	.2						3.4	7.5
WNW	.1		.1	.4		.2						.9	14.3
NW	.3	.4	.4	.2	.1	.1						1.6	9.0
NNW	1.3	.3	1.0	1.5	.2	.1	.1					4.9	9.0
VARB													
CALM												9.1	
	15.2	24.4	26.3	20.3	3.2	1.3	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

022536 RANDOLPH AFB TX 70.73-81 JAN
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.3	3.8	5.8	2.6	.9						16.1	12.2
NNE	.9	2.2	3.9	5.3	.1							12.3	9.5
NE	.2	2.4	4.1	2.7								9.4	8.8
ENE	.9	2.0	3.2	.3	.1							6.6	7.0
E	1.3	2.7	1.1									5.1	5.0
ESE	.4	.9	.1									1.3	4.3
SE	.5	1.0	.8	.2								2.5	5.8
SSE	.3	1.1	1.1	.3								2.8	7.1
S	1.3	2.2	4.7	3.4	.1	.1						11.8	8.8
SSW	.5	3.0	2.9	1.2	.1							7.7	7.3
SW	.5	1.9	2.9	1.0								6.3	7.6
WSW	.3	1.6	1.8	.9								4.6	7.7
W	.3	.8	.5	.5	.3							2.5	9.4
WNW		.5		.5		.1						1.2	10.3
NW	.2	.6	.5	.5	.1	.1	.1					2.3	10.4
NNW	.5	.8	.8	.9	.1	.4						3.4	10.5
VARBL													
CALM												4.2	
	9.1	25.7	32.2	23.5	3.5	1.6	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 930

2
JUNIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72536 STATION RANDOLPH AFB TX STATION NAME 72,73-81 YEARS CLASS ALL WEATHER CONDITION 1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	3.1	5.5	2.4	.1						13.5	11.8
NNE	1.0	2.4	5.8	3.7								12.8	8.7
NE	1.2	2.7	3.4	2.3	.3	.1						10.0	8.2
ENE	1.0	1.8	3.0	.2								6.0	6.3
E	1.3	2.9	1.6	.1								6.5	5.1
ESE	.6	1.7	.2									2.6	4.5
SE	.6	1.5	1.1	.4								3.7	6.6
SSE	.5	1.0	1.4	.6								3.5	7.2
S	1.2	3.7	5.3	2.5								12.6	7.6
SSW	1.1	2.7	2.8	.6								7.2	6.7
SW	.5	3.7	2.5	.6								7.3	6.6
WSW	.2	.3	1.7	.3								3.0	7.9
W	.4	.9	.8	.3	.2							2.6	7.8
WNW		.2	.4	.5								1.2	9.9
NW	.3	.2	.5	.2	.2	.1						1.6	9.9
NNW	.2	.6	1.2	1.1	.3	.4	.1					4.0	11.8
VARBL													
CALM												1.9	
	11.9	28.0	34.8	19.0	3.4	.8	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

DANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

JAN
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	3.4	4.2	.4	.4						13.1	9.6
NNE	1.1	2.2	4.6	3.9	.1							11.8	9.0
NE	2.2	4.2	4.1	1.7								12.2	6.8
ENE	1.6	3.7	2.0	.1								7.4	5.4
E	1.5	2.3	.4									4.3	4.1
ESE	1.0	.6	.1	.2								2.8	3.9
SE	1.5	2.3	.8									4.5	4.5
SSE	.8	2.5	1.9	.9								6.0	6.9
S	2.4	4.4	1.5									8.3	4.8
SSW	2.2	3.0	.3									5.5	4.0
SW	1.6	1.7	.2									3.5	3.8
WSW	.3	1.2	.2									1.7	5.0
W	.9	.9		.1								1.7	4.3
WNW		.6										.6	4.5
NW	.4	.3	.2	.5	.1							1.6	8.7
NNW	.8	1.5	1.1	.5	.1							4.0	6.7
VARB													
CALM												10.9	
	20.7	34.0	21.0	12.2	.8	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

2
CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536 STATION RANDOLPH AFB TX 70,73-81 YEARS JAN MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	5.4	3.1	3.7	.6	.1						16.7	7.4
NNE	1.9	2.2	3.9	4.7	.6							13.3	9.1
NE	1.0	2.5	3.2	1.7	.1							6.5	8.0
ENE	1.4	3.1	1.1	.2								5.8	5.2
E	1.1	.5	.3									2.0	4.2
ESE	.3	.2	.2	.1								.9	5.6
SE	.6	1.3	.5									2.5	5.1
SSE	.6	1.7	1.0									3.3	5.4
S	2.6	4.4	1.7	.2								8.9	5.0
SSW	.9	3.2	.5									4.4	4.6
SW	1.3	1.5	.4									3.2	4.0
WSW	1.1	1.1	.1									2.3	3.9
W	.5	.9	.2									1.6	4.6
WNW	.2	.3	.5									1.1	5.7
NW	.4	.5	.2	.2								1.4	5.8
NNW	2.8	3.2	1.2	.5	.4							6.2	5.6
VARIABLE													
CALM												15.9	
	20.5	31.2	18.3	11.4	1.8	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72236 STATION RANDOLPH AFB TX 70.73-81 YEARS JAN MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	4.1	4.7	1.3	.4						17.1	9.2
NNE	1.2	2.7	4.7	4.6	.2	.0						13.5	9.0
NE	1.2	3.1	3.3	1.8	.1	.0						9.5	7.5
ENE	.8	2.1	1.8	.3	.0							5.0	6.2
E	1.0	1.4	.5	.0								3.0	4.7
ESE	.6	.5	.1	.0								1.3	4.2
SE	.5	1.0	.5	.1								2.1	5.6
SSE	.4	1.1	1.0	.3								2.8	6.7
S	1.5	3.1	2.4	1.0	.0	.0						8.0	6.6
SSW	1.1	2.2	1.1	.3	.0							4.8	5.5
SW	1.3	1.7	1.0	.2								4.3	5.2
WSW	.9	1.3	.9	.2	.0							3.3	5.7
W	.9	1.1	.4	.2	.1	.0						2.8	6.1
WNW	.3	.3	.3	.2	.0							1.2	7.1
NW	.7	.7	.4	.3	.1	.1	.0					2.2	7.0
NNW	2.4	3.5	1.0	.9	.2	.1	.0					8.2	6.2
VARBL													
CALM												10.8	
	17.6	30.0	23.6	15.3	2.1	.7	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7440

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536 STATION RANDOLPH AFB TX 70,73-81 YEARS FEB MONTH 0000-0200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.5	3.9	2.4	.7							13.2	6.0
NNE	1.7	2.1	1.9	3.0	.1							8.7	8.4
NE	.6	2.2	1.8	.9								5.6	7.1
ENE	.5	1.5	.9	.1								3.4	5.5
E	.4	.8	.9									2.1	5.9
ESE	.4	.7	.5									1.5	5.5
SE	.9	1.4	1.1									3.4	5.2
SSE	1.4	2.9	1.9	.4								6.5	5.7
S	3.2	6.1	4.5	.6	.1							14.3	6.0
SSW	1.2	3.7	.6	.2								5.8	5.2
SW	1.2	1.7	.5									3.3	4.4
WSW	1.7	.9	.4									3.0	3.5
W	.5	.5	.2	.2								1.4	5.5
WNW	.2	.6	.9									1.8	6.1
NW	.6	1.2	.8	.1	.1							2.8	6.3
NNW	2.2	4.1	2.1	.8	.1							9.3	5.9
VARBL													
CALM												13.7	
	13.6	34.9	22.9	8.7	1.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7/2/36 STATION RANDOLPH AFB TX 70.73-81 YEARS
ALL WEATHER CLASS
CONDITION
FEB MONTH
0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.8	4.6	2.8	.7	.2						16.0	6.2
NNE	.7	2.9	3.1	3.2	.4	.1						10.5	8.7
NE	.7	2.2	1.5	.5								5.2	6.1
ENE	.5	1.1	.8	.1								2.5	5.6
E	.7	.6	.4	.1								1.8	5.1
ESE		.4		.1								.5	6.5
SE	.4	1.1	.4	.2								2.0	6.1
SSE	.8	1.9	1.1									3.7	5.3
S	1.8	4.4	3.3	.2								9.7	5.6
SSW	2.1	1.9	.8									4.9	4.4
SW	1.1	1.4	.2									2.7	3.8
WSW	2.4	2.1	.4									4.9	3.7
W	1.8	1.5	.6	.1								4.0	4.5
WNW	.5	.2	.2	.1								1.1	5.2
NW	.9	1.5	.1	.1	.1							2.8	4.9
NNW	3.6	4.9	2.4	.4	.7							11.8	5.9
VARBL													
CALM												16.0	
	20.1	33.7	19.9	8.0	1.9	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-36 RANDOLPH AFB TX STATION NAME 70,73-81 YEARS
CLASS ALL WEATHER
CONDITION
MONTH FEB
HOURS (L.S.T.) 0600-0800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	3.0	5.2	5.7	2.5	.6							17.1	7.1
NNE	1.4	3.7	3.3	3.3	.4							11.3	8.6
NE	.7	2.2	1.5	.7								5.2	6.7
ENE	1.2	2.1	.7	.2								4.1	5.1
E	.5	1.1	.4	.1								2.1	5.1
ESE	.8	.6	.1									1.5	3.5
SE		.3	.4									1.2	6.3
SSE	.0	.7	.7									2.4	5.0
S	1.1	4.4	3.0	.5								6.9	6.1
SSW	.7	2.4	.2	.1								3.4	4.6
SW	1.5	1.8										3.3	3.7
WSW	1.7	1.3	.6		.1							3.7	4.5
W	1.0	2.5	.7	.4	.1							5.6	5.1
WNW	.5	.4	.1	.1								1.2	4.1
NW	.0	.7	.2	.1								2.0	4.5
NNW	4.1	6.4	2.8	.6	.2							14.2	5.4
VARBL													
CALM												12.8	
	32.1	35.3	19.7	8.6	1.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 346

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-36 STATION ANDOLPH AFB TX STATION NAME 70-73-81 YEARS FEB MONTH 0000-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	4.0	6.4	1.5							15.4	10.6
NNE	1.1	2.1	4.0	3.7	.2	.1						11.2	9.2
NE	.4	3.5	2.5	1.4								7.8	7.4
ENE	1.5	2.7	2.0	.1								6.4	5.6
E	.9	2.6	.7									4.3	4.9
ESE	.6	.8	.5									1.9	5.0
SE	.5	1.2	.6	.1								2.4	5.7
SSE	.1	1.9	1.4	.4								3.7	7.0
S	.5	2.5	4.1	2.0								9.1	8.4
SSW	.4	3.9	4.4	.8								9.3	7.3
SW	.4	2.8	3.3	.1								6.6	6.6
WSW	.5	2.5	1.9	.8								5.7	6.9
W	.5	1.3	1.7	.1	.1							3.7	6.8
WNW	.4	.1	.4			.1						.9	7.6
NW	.5	.2	.6	.6								1.9	8.1
NNW	.7	.9	1.1	1.7	.4							4.7	9.3
VARBL													
CALM												5.1	
	2.9	31.2	33.1	18.2	2.2	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 646

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70.36 STATION RANDOLPH AFB TX 70.73-81 YEARS FEB MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	2.8	6.0	1.9	.1						12.6	12.0
NNE	.4	2.1	2.8	2.6	.6							3.5	9.6
NE	.8	1.9	3.0	1.4	.1							7.2	8.0
ENE	.6	1.9	1.9	.4								4.7	6.9
E	.6	2.4	2.1	.5	.1							5.7	7.1
ESE	.4	1.2	.5									2.0	5.2
SE	.9	2.0	1.1	.4								4.4	5.8
SSE	.2	1.4	1.1	.8	.1							3.7	8.1
S	1.4	2.7	6.9	4.1	.5	.1						15.7	9.1
SSW	.4	1.7	5.6	2.4								9.9	8.8
SW	.1	1.9	3.5	1.3								6.9	8.4
WSW	.5	1.1	1.4	1.1								4.0	8.0
W	.2	.9	.5	.8	.1	.1	.1					2.3	10.1
WNW	.1	.4		.2	.2							.9	9.4
NW	.4	.5	.9	.7	.8	.2						3.5	11.7
NNW	.2	.2	1.2	2.0	.5	.1						4.3	12.0
VARBL													
CALM												3.1	
	7.4	23.8	35.2	24.7	5.0	.7	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 846

2
CLERICAL CLIMATOLOGY BRANCH
USAFETAC
47 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702-36 STATION RANDOLPH AFB TX STATION NAME 70.73-61 YEARS FEB MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	1.7	4.6	6.1	1.1	.1						14.1	11.2
NNE	.1	.3	1.9	2.1	.4							5.3	10.7
NE	.3	2.2	2.6	.5	.1							6.3	7.1
ENE	.6	2.6	2.0	1.5	.1							6.9	7.8
E	.2	3.4	.9									5.2	5.2
ESE	.6	1.4	.7									2.7	5.0
SE	.8	1.3	.8	.7	.1							4.3	6.9
SSE	.9	2.2	3.0	1.9	.1							8.2	8.3
S	1.2	5.1	7.9	4.6	.1							18.9	8.4
SSW	.1	1.8	4.1	1.9								7.9	8.5
SW	.6	1.9	2.2	.1	.1							5.0	7.0
WSW	.2	.3	1.7	.8								3.5	8.4
W	.7	.1	.8	.7	.2	.1						2.7	9.8
WNW		.1	.1	.2	.1	.2						.8	15.1
NW		.4	.2	.7	.6							1.9	12.6
NNW	.2	.4	1.1	1.2	1.3	.1						4.3	13.1
VARBL													
CALM												2.1	
	8.3	26.7	34.8	23.2	4.4	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 846

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702036
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.2	3.8	3.7	.7	.1						12.4	9.5
NNE	.2	1.2	2.1	2.6								6.1	9.5
NE	1.2	2.5	1.5	.7	.1							6.0	6.3
ENE	1.1	4.4	1.4	.2								7.1	5.5
E	2.1	3.7	.9									6.7	4.5
ESE	1.5	1.8	.7	.1								4.1	4.7
SE	1.3	4.1	2.7	.5	.1	.1						8.9	6.3
SSE	1.5	4.9	5.1	2.0	.1							13.6	7.2
S	3.3	7.4	2.8	.7								14.3	5.3
SSW	1.4	2.1	.6									4.1	4.9
SW	.7	.8	.1									1.7	4.0
WSW	.5	.5	.2									1.2	4.4
W	.6	.7	.5	.4								2.1	6.6
WNW		.1	.4	.1								.6	9.2
NW	.2	.2	.2	.4								1.1	7.8
NNW	.6	1.4	1.3	.8								4.1	7.3
VARBL													
CALM												5.8	
	17.5	38.9	24.5	12.2	1.1	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

846

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70236 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS FEB MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.1	2.8	2.7	.9	.2		.1				13.5	8.5
NNE	1.4	2.7	2.0	2.8	.2							8.5	8.4
NE	.8	2.2	3.1	.5								6.6	6.7
ENE	.9	1.4	.6	.1								3.1	5.1
E	1.7	2.4	.2									3.9	4.1
ESE	.4	1.8	.5	.1								2.7	5.8
SE	1.1	2.7	2.0	.6		.1						5.8	6.7
SSE	.6	5.4	4.8	.6	.1							11.6	7.0
S	1.7	6.5	5.4	1.2								14.8	6.5
SSW	.5	1.4	.4									2.2	4.8
SW	1.1	.6	.1									1.9	3.3
WSW	.7	.5										1.2	2.3
W	.6	.8	.1	.2								1.8	5.1
WNW	.2	.4	.6	.1								1.3	6.5
NW	.9	.4	.4	.1								1.8	4.7
NNW	1.5	2.5	.5	.2	.2							5.0	5.6
VARBL													
CALM												14.5	
	16.2	34.4	23.5	9.3	1.5	.4		.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

FORM 36
STATION

HANDOLPH AFB TX

STATION NAME

70,73-81

YEARS

FEE
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.5	3.9	4.1	1.0	.1		.0				14.3	9.3
NNE	.9	2.7	2.6	2.9	.3	.0						8.8	9.0
NE	.4	2.4	2.2	.8	.0							6.2	7.0
ENE	.9	2.2	1.3	.4	.0							4.6	6.0
E	.9	2.1	.9	.1	.0							4.0	5.3
ESE	.6	1.1	.4	.0								2.1	5.0
SE	.7	1.9	1.1	.3	.0	.0						4.0	6.2
SSE	.8	2.6	2.4	.8	.1							6.6	7.0
S	1.7	4.9	4.7	1.7	.1	.0						13.2	7.1
SSW	.9	2.3	2.1	.7								6.0	6.7
SW	.9	1.6	1.3	.2	.0							3.9	6.0
WSW	1.7	1.2	.8	.3	.0							3.4	5.7
W	.9	1.0	.6	.4	.1	.0	.0					3.0	6.5
WNW	.3	.3	.3	.1	.0	.0						1.1	7.4
NW	.6	.6	.4	.4	.2	.0						2.2	7.7
NNW	1.7	2.6	1.6	1.0	.4	.0						7.2	7.1
VARBL													
CALM												9.1	
	15.0	32.3	26.7	14.1	2.3	.3	.0	.0				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

6767

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700036
STATION

RANDOLPH AFB TX

STATION NAME

70.73-81

YEARS

MAC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.3	2.3	1.9	.9							11.3	7.8
NNE	1.0	2.5	3.3	3.5								11.3	8.1
NE	2.0	2.6	1.7	.3	.1							6.8	5.7
ENE	1.0	1.0	.6									2.0	4.6
E	1.2	1.4	.4									3.0	4.3
ESE	.3	1.1	.4									1.8	5.0
SE	.9	1.7	2.9	.6	.1							6.2	7.2
SSE	1.3	3.0	5.4	1.9								11.6	7.7
S	2.6	5.4	6.1	1.8								15.9	6.8
SSW	.8	1.5	.6									2.9	4.8
SW	.6	1.4	.3									2.4	4.5
WSW	.5	1.3	.2									2.0	4.6
W	.5	.5	.3	.1								1.5	5.0
WNW	.6		.3	.3								1.3	6.8
NW	1.1	.4	.2	.3	.1							2.2	5.9
NNW	1.7	3.8	1.3	.4	.1							7.3	5.7
VARB													
CALM												9.9	
	12.0	31.8	26.6	11.4	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

MAP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.6	2.9	2.2	.9							12.7	7.8
NNE	2.0	2.8	3.1	2.8								10.8	7.6
NE	1.3	1.9	1.3	.3	.1							4.9	5.9
ENE	.5	1.2										1.7	3.9
E	1.1	1.7	.1									2.9	3.9
ESE	.5	1.2	.4									2.2	4.7
SE	.8	1.9	1.8	.2								4.7	6.0
SSE	.9	1.6	2.8	1.2								6.3	7.6
S	1.5	4.0	4.7	1.5								11.7	7.1
SSW	.8	2.0	1.3	.1								4.2	5.9
SW	1.5	.9	.5									2.9	4.3
WSW	.8	.9										1.6	3.5
W	1.2	.6	.3	.1								2.3	4.6
WNW	.6	1.0	.4	.1	.1							2.3	6.1
NW	1.5	1.3	.6	.1	.1							3.7	5.1
NNW	3.0	5.8	2.2	.3	.1							11.4	5.2
VARBL													
CALM												13.8	
	20.0	33.4	22.6	8.9	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 222-36 RANDOLPH AFB TX STATION NAME 70.73-81 YEARS MAP
CLASS ALL WEATHER MONTH 0600-0800
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	4.1	2.5	.6							14.2	7.4
NNE	1.0	2.0	2.9	3.4								9.4	8.9
NE	1.3	2.6	1.9	.3	.1							6.2	6.1
ENE	1.3	1.5	.4									3.2	4.4
E	1.2	2.2	.3									3.7	4.5
ESE	1.0	.6	.9	.1								2.6	5.3
SE	.9	.8	1.5	.4								3.4	6.8
SSE	.8	1.3	2.2	.9		.1						5.2	8.0
S	1.1	3.3	3.7	.9								8.9	6.8
SSW	1.1	1.6	.4	.2								3.2	5.2
SW	1.1	2.0	.2									3.3	4.3
WSW	1.2	1.0	.5									2.7	4.1
W	1.4	1.3	1.3									4.0	5.0
WNW	.4	1.2	.6	.2								2.5	5.9
NW	.7	.8	.8	.2								2.6	5.8
NNW	2.8	5.3	2.2	1.0	.2	.1						11.5	6.1
VABL													
CALM												13.4	
	20.0	31.4	23.9	10.1	1.0	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-36
STATION

RANDOLPH AFB TX

STATION NAME

70.73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	2.9	4.8	.9							11.7	10.4
NNE	.5	1.4	2.0	5.3	.1							9.4	10.5
NE	.9	2.9	1.6	2.9	.3	.1						6.7	9.0
ENE	.6	2.3	1.3	.8								4.9	6.7
E	1.1	1.8	2.2	.3								5.4	6.2
ESE	.3	.9	1.3	.3								2.7	7.1
SE	.5	1.2	1.4	.9								4.0	7.6
SSE	1.0	1.2	2.5	2.5	.1							7.2	8.8
S	.5	3.2	6.3	3.8	.3							14.3	8.7
SSW	.4	1.3	3.4	1.5	.1							6.8	8.7
SW	.2	1.8	2.8	.5								5.4	7.3
WSW	.6	.9	1.4	.2	.1							3.2	7.1
W	.3	.8	1.1	.4								2.6	7.6
WNW	.2	.4	.6	.6	.1							2.0	9.1
NW	.2	.4	1.0	1.4	.1							3.1	10.0
NNW	.5	.6	1.5	1.7	.4	.1						4.9	10.5
VARBL													
CALM												3.7	
	8.9	23.3	33.3	28.0	2.6	.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX 70.73-81 YEARS 4 APR MONTH 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	3.7	3.5	.9	.1						9.9	10.9
NNE	.2	.6	1.9	2.3	.1							5.2	10.2
NE	.2	1.8	2.3	2.5	.2							7.0	9.5
ENE	.2	1.7	2.9	.8								4.6	8.3
E	1.1	2.6	2.3	.4								6.3	6.5
ESE	.4	.6	1.7	.3								3.1	7.3
SE	.3	1.0	2.5	1.7	.1							5.6	9.1
SSE	.5	1.2	3.1	4.2	.3							9.4	10.3
S	.6	2.6	6.3	6.7	.1							16.3	9.7
SSW	.8	1.1	3.7	1.7								7.2	8.7
SW	.2	1.4	2.3	.2								4.1	6.9
WSW	.5	1.6	.9	.3	.1	.1						3.5	7.0
W	.3	1.0	.4	.8	.4	.3						3.2	10.8
WNW		.2	.3	.8	.6							1.9	13.7
NW	.1	.5	.6	2.6	.3							4.2	11.9
NNW	.2	1.0	1.5	1.7	.8	.1						5.3	11.0
VARBL													
CALM												2.9	
	6.3	19.4	36.3	30.4	4.0	.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX

STATION NAME

70,73-81

YEARS

4AP

MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	3.2	3.4	.6	.1						9.0	10.7
NNE	.1	1.2	2.3	2.5	.3							6.3	10.2
NE	.1	1.0	1.9	2.3		.1						5.4	9.7
ENE	.5	2.0	2.0	1.0								5.6	7.1
E	.5	1.6	2.0	.5								4.7	7.2
ESE	.2	1.5	1.6	.4								4.3	6.7
SE	.1	1.6	4.8	2.9	.5							10.0	9.7
SSE	.5	2.5	4.9	6.3	.3							14.6	10.0
S	.9	1.4	5.6	4.8	.1							12.8	9.4
SSW	.2	1.6	2.9	.9								5.6	8.3
SW	.5	2.4	1.7	.3								4.9	6.6
WSW	.1	.2	.8	.5	.4	.2						2.3	12.1
W	.2	.2	.8	.4	.2	.4						2.3	12.4
WNW	.1	.1	1.1	.6	.1							2.0	10.5
NW	.2	.5	1.0	1.6	.1	.1						3.5	11.1
NNW		.5	1.1	2.6	.9							5.1	12.7
VARBL													
CALM												1.5	
	5.2	19.8	37.7	31.2	3.7	1.0						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702-36 STATION RANDOLPH AFB TX 70,73-81 YEARS MAR MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	3.3	3.5	2.4	.1							13.2	8.1
NNE	1.0	2.6	1.8	2.4	.3							8.1	8.5
NE	.9	3.7	1.2	1.7	.1							7.5	7.4
ENE	1.0	1.7	1.6	.3								4.6	6.0
E	1.7	3.7	.8	.2								5.9	5.2
ESE	1.7	3.7	1.8	.8								8.0	5.3
SE	1.4	4.5	6.3	4.4	.1							16.8	8.3
SSE	.5	1.8	6.6	4.2	.2							13.3	9.3
S	1.1	3.2	3.0	.1								7.4	6.2
SSW	.6	1.5	1.0	.1								3.2	5.5
SW	.8	1.4	.5									2.7	4.8
WSW	.4	.1	.1	.1	.1							.9	6.6
W	.3	.9	.4	.3	.2							2.2	7.8
WNW		.4	.6	.4	.1	.1						1.7	10.1
NW		.3		.3								.6	9.0
NNW	.1	.9	1.3	1.1								3.3	9.2
VARBL													
CALM												3.5	
	11.2	33.7	30.6	18.8	1.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536 RANDOLPH AFB TX

70,73-81

MAF

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	2.6	2.2	.3							9.3	7.9
NNE	1.7	2.3	1.9	2.4	.4							8.7	8.2
NE	1.2	2.8	1.5	1.7								7.2	7.3
ENE	.9	2.3	.5									3.7	4.7
E	1.9	1.9	1.0	.1								4.9	4.5
ESE	1.1	1.5	1.5	.2								4.3	6.1
SE	1.2	3.8	5.2	1.7		.1						11.9	7.6
SSE	1.3	5.1	6.6	3.7	.1							16.7	8.0
S	.2	4.7	4.6	1.1	.1							11.4	7.0
SSW	.6	.4	.4									1.5	4.7
SW	.2	.5	.4									1.2	5.6
WSW	.3	.8										1.1	3.8
W	.2	1.1	.3									1.7	4.9
WNW		.3	.4	.4								1.2	9.1
NW	.4	.2	.1	.1		.1						1.0	7.8
NNW	1.1	3.1	.6	.4	.1							5.4	5.6
VARBL													
CALM												8.4	
	14.1	34.5	27.7	14.0	1.1	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1236 RANDOLPH AFB TX 70.73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAC
MONTH
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.1	3.1	2.9	.6	.0						11.1	6.9
NNE	1.1	1.7	2.4	3.1	.2							8.6	8.9
NE	1.0	2.4	1.7	1.5	.1	.0						6.7	7.6
ENE	.3	1.6	1.2	.3								3.9	6.1
E	1.2	2.1	1.1	.2								4.6	5.5
ESE	.6	1.4	1.2	.3								3.6	6.1
SE	.7	2.1	3.3	1.6	.1	.0						7.8	6.1
SSE	.4	2.2	4.2	3.1	.1	.0						10.5	6.8
S	1.2	3.5	5.1	2.6	.1							12.4	7.9
SSW	.6	1.4	1.7	.6	.7							4.3	7.2
SW	.6	1.5	1.1	.1								3.4	5.9
WSW	.6	.8	.5	.1	.1	.0						2.2	6.4
W	.5	.8	.6	.3	.1	.1						2.5	7.4
WNW	.3	.5	.6	.4	.1	.2						1.9	8.3
NW	.6	.6	.5	.8	.1	.0						2.6	8.6
NNW	1.2	2.6	1.5	1.2	.3	.0						6.9	7.5
VARBL													
CALM												7.1	
	13.2	28.4	29.9	19.1	2.0	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7440

2
JUNIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72436
STATION

ANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.4	1.1	1.7								9.7	5.9
NNE	1.3	2.6	2.7	.8								6.7	6.4
NE	.9	.9	1.8									3.4	6.1
ENE	.6	.9	.4									1.9	4.8
E	.8	1.3	.6									2.7	5.0
ESE	1.1	1.7	.8									3.6	4.7
SE	2.3	6.0	3.0	.6								11.9	5.7
SSE	2.4	6.7	7.0	1.9	.2		.1					18.3	7.0
S	1.8	5.6	4.8	1.2	.1							13.4	6.7
SSW	.1	1.3	.4	.2								2.6	6.4
SW	1.2	1.0										2.3	3.3
WSW	.2	.4										.7	3.7
W	.1	.4	.3									.9	5.4
WNW	.1	.3										.4	4.0
NW	.2	.1	.6	.1								1.7	5.0
NNW	1.0	4.2	.8	.4	.1							7.4	5.3
VARBL													
CALM												12.4	
	14.2	38.3	23.6	6.9	.4		.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236 STATION RANDOLPH AFB TX STATION NAME 72,73-81 YEARS APR MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.9	3.1	1.6	.2							14.4	6.1
NNE	.4	2.3	2.7	1.1	.1							7.0	7.5
NE	1.4	1.7	1.1	.4								4.6	5.8
ENE	.4	1.1		.1								1.7	4.5
E	.0	1.4	.8									3.0	5.0
ESE	1.1	1.6	1.0		.1							3.8	5.4
SE	1.2	3.7	1.6	.1								7.1	5.1
SSE	1.6	4.6	4.6	.7								11.3	6.5
S	2.1	5.8	3.8	1.4								13.1	6.2
SSW	.4	1.6	.6	.1								2.7	5.4
SW	1.0	.6	.1	.1								1.8	4.2
WSW	1.0	.4	.3									1.8	4.2
W	.6	.4	.7									1.7	5.7
WNW	.3	.1	.2	.1								.8	5.9
NW	.9	.6	.2	.2								1.9	5.0
NNW	2.7	6.1	1.7	.1								10.6	4.9
VARBL													
CALM												12.9	
	20.4	37.8	22.3	6.1	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536 STATION RANDOLPH AFB TX 70.73-81 YEARS
ALL WEATHER CLASS
CONDITION
APR MONTH
0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.1	3.6	2.0	.1							14.1	6.2
NNE	1.2	2.4	4.2	.7								8.6	7.1
NE	1.0	2.0	2.3	.8	.1							6.2	7.0
ENE	1.1	1.7	.7	.3								3.8	5.4
E	1.6	1.3	.9	.1								3.9	4.9
ESE	2.1	1.6	1.1									4.9	4.5
SE	1.3	3.4	3.2	.2								8.2	6.2
SSE	1.0	4.9	4.0	.6								10.4	6.4
S	.9	3.7	4.4	.7								9.6	7.0
SSW	.3	1.2	.4	.2								2.2	6.2
SW	.8	1.2	.3									2.3	4.2
WSW	.8	1.2										2.0	3.7
W	1.3	1.1	.1									2.6	3.4
WNW	.4	.4		.3								1.2	6.0
NW	.4	.4	.4									1.3	5.5
NNW	2.1	3.7	1.4	.4	.2							7.9	5.8
VARBL													
CALM												10.9	
	20.7	34.4	27.2	6.3	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

102-36 STATION RANDOLPH AFB TX 70.73-81 YEARS APR MONTH
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	3.9	3.2	.3							9.4	9.8
NNE	.4	.3	3.2	3.4								7.9	10.2
NE	.7	1.4	2.6	1.6	.2							6.4	8.5
ENE	1.2	1.4	2.4	.4								5.9	6.5
E	1.2	3.7	1.4	.4								6.1	5.8
ESE	.7	1.7	2.6		.1							5.0	6.6
SE	1.1	2.6	2.2	1.9	.2							8.0	7.8
SSE	.7	2.3	8.6	4.1	.1							15.8	9.1
S	.7	4.8	8.3	3.9	.6							16.2	8.8
SSW	.9	.9	2.6	.8								5.0	7.9
SW	.1	1.4	.6	.2								2.3	6.6
WSW	.3	.3	.1	.1								1.3	5.4
W	.3	.3	.4	.2								1.3	6.6
WNW			.4	.1	.1	.1						.8	12.3
NW		.3			.2							.6	11.4
NNW	.1	.7	.8	1.2	.6	.3						3.7	12.0
VARBL													
CALM												2.2	
	2.9	24.2	40.1	21.7	2.4	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	2.1	2.7	2.4	.4							7.9	9.6
NNE	.1	1.3	2.3	1.7	.1							5.6	8.9
NE	.3	1.6	1.9	1.8								5.6	8.7
ENE	.7	1.4	1.8	.4								4.3	6.7
E	1.1	1.9	2.1	.1								5.2	6.1
ESE	.7	2.0	1.8	.7								5.1	6.8
SE	1.1	3.9	4.3	1.9	.1							11.3	7.6
SSE	.8	3.4	8.8	5.2	.4							18.7	9.2
S	1.1	4.7	9.7	5.1	.1							20.7	8.6
SSW	.2	1.6	2.0	.3								4.1	7.3
SW	.4	1.2	.2	.1								2.0	5.4
WSW	.1	.4	.6									1.1	6.3
W	.1	.3	.2									.7	5.8
WNW	.2	.1		.8								1.1	9.9
NW		.1	.4	.2	.1							.9	10.1
NNW	.3	1.0	.9	1.0	1.2							4.4	11.6
VARBL													
CALM												1.3	
	7.6	27.1	39.7	21.8	2.6							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	2.2	2.1	.8							6.9	10.2
NNE	.3	2.7	1.9	.8	.1							5.6	7.3
NE	.3	.7	1.6	1.2								3.8	9.1
ENE	.4	1.7	2.6	.4								5.1	7.1
E	1.0	2.4	2.9	.6								6.9	6.9
ESE	.3	2.1	3.3	1.2								7.4	7.5
SE	1.1	3.2	7.1	5.3								16.8	8.9
SSE	1.2	4.7	11.0	5.4	.4							23.8	9.1
S	1.2	3.4	3.6	2.3	.1	.1						10.8	7.9
SSW	.4	.8	.8	.2								2.2	6.6
SW	.6	.9	.1									1.6	4.1
WSW	.1	.2		.1								.4	6.0
W		.7	.6	.1								1.3	6.6
WNW		.2	.4	.2								.9	8.4
NW			.7	.4	.2							1.3	12.2
NNW	.1	.1	1.3	.7	.7							2.9	11.9
VARB												2.3	
CALM													
	3.6	24.4	40.0	22.2	2.3	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

DANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	.9	1.7	.3							5.6	8.9
NNE	.7	2.0	1.8	.4								4.9	6.3
NE	.7	2.9	2.8	.8								7.1	6.8
ENE	1.1	2.0	.9	.1								4.1	4.9
E	2.6	4.4	1.3	.2								8.6	4.8
ESE	2.3	2.2	3.7	.6								8.8	6.2
SE	2.3	7.8	10.6	4.7	.1							25.9	7.6
SSE	1.2	3.8	9.9	4.6	.4	.1						20.0	8.7
S	.3	2.1	1.3	.6								4.3	6.9
SSW	.2	.7		.1								1.0	5.2
SW	.1	.2										.3	4.0
WSW													
W	.1	.1	.1									.3	5.7
WNW		.1										.1	6.0
NW		.2	.1	.3	.3							1.0	12.7
NNW	.2	.4	1.0	.7	.2							2.6	9.6
VARB													
CALM												5.4	
	12.8	31.2	34.3	14.7	1.4	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	.8	1.2	.3							7.3	6.4
NNE	1.7	2.3	1.3	.6								5.9	5.8
NE	1.1	2.1	1.2	.4								4.9	5.9
ENE	1.0	1.0	.9	.1								3.0	5.5
E	1.1	2.0	1.1	.1								5.2	5.0
ESE	1.4	1.2	2.2	.3								5.2	6.2
SE	1.7	7.0	7.8	2.3	.1	.1						19.0	7.5
SSE	1.4	9.7	12.0	2.7	.2		.1					26.1	7.5
S	.9	3.4	1.2	.7								6.2	6.3
SSW		.7										.7	4.5
SW		.4										.4	5.0
WSW		.2										.2	4.0
W	.2		.1									.3	4.0
WNW	.2	.2	.2									.7	4.8
NW		.1	.1		.1							.3	10.7
NNW	.7	1.8	.7	.4	.3							3.9	7.1
VARB													
CALM												10.6	
	13.9	35.7	29.7	8.9	1.1	.1	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702036
STATION

RANDOLPH AFB TX
STATION NAME

70,73-61
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.0	2.3	2.0	.3							9.4	7.5
NNE	.9	2.0	2.4	1.2	.0							6.5	7.5
NE	.8	1.7	1.9	.9	.0							5.2	7.3
ENE	.3	1.4	1.2	.2								3.7	5.9
E	1.3	2.3	1.4	.2								5.2	5.5
ESE	1.3	1.7	2.1	.3	.0							5.5	6.2
SE	1.7	4.7	5.0	2.1	.1	.0						13.5	7.3
SSE	1.3	5.0	8.2	3.3	.2	.0	.0					18.1	8.1
S	1.1	4.2	4.6	2.0	.1	.0						12.0	7.6
SSW	.3	1.1	.8	.2								2.6	6.7
SW	.5	.9	.2	.1								1.6	4.7
WSW	.3	.5	.1	.0								.9	4.6
W	.3	.4	.3	.0								1.1	5.2
WNW	.2	.2	.2	.2	.0	.0						.7	7.6
NW	.3	.2	.3	.2	.1							1.1	8.1
NNW	1.0	2.2	1.1	.6	.4	.0						5.4	7.4
VARB													
CALM												7.3	
	13.9	31.7	32.1	13.6	1.4	.1	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	4.0	2.2	.5	.3							10.6	5.5
NNE	1.3	1.6	.6	.5								4.1	5.6
NE	.7	.8	.9	.2								2.7	5.7
ENE	1.8	1.1	.4	.1								3.4	4.1
E	1.8	1.1	.5	.1								3.5	4.2
ESE	2.5	1.5	.6									4.6	4.0
SE	2.4	4.7	1.9	.1								9.1	5.1
SSE	1.8	8.7	5.4	.8								15.9	6.2
S	2.8	5.9	5.4	.6								14.7	5.9
SSW	.6	1.4	.5									2.6	5.2
SW	.8	.9	.3									1.9	4.4
WSW	.3	.1	.2		.1							.8	7.3
W	.2	.5	.1									.9	4.6
WNW	.1	.2										.3	4.0
NW	.2	.3										.5	3.8
NNW	2.3	4.0	.6	.1								7.0	4.3
VARB													
CALM												17.2	
	23.4	36.0	19.8	3.1	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

122136 STATION RANDOLPH AFB TX 70.73-81 YEARS MAY MONTH 1300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.9	2.4	.3	.1							10.9	4.8
NNE	1.4	1.9	1.4	.8								5.5	6.3
NE	1.5	1.2	.6	.4								3.8	5.1
ENE	1.2	1.3	.4	.2		.1						2.9	5.3
E	1.9	2.7	.5	.2								4.7	4.4
ESE	2.7	1.5	.3									3.9	3.7
SE	2.3	3.7	1.6	.1	.1							7.7	5.2
SSE	1.3	6.1	3.4	.3								11.2	5.8
S	1.7	7.0	4.5	.6								14.0	5.9
SSW	.4	1.6	.2									2.3	4.8
SW	.3	.6	.1									1.1	4.7
WSW	.9	.9	.3									2.0	4.2
W	.2	.3	.2	.1								.9	6.6
WNW	.1	.1	.3									.5	6.4
NW	.8	.4	.1	.1								1.4	4.1
NNW	3.0	5.2	.6	.1								6.9	4.1
VARB													
CALM												18.4	
	23.3	37.4	17.2	3.3	.2	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702136 RANDOLPH AFB TX 70.73-81 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.7	2.4	1.5	.2							11.8	6.0
NNE	1.0	2.2	1.7	1.5	.2							5.8	7.6
NE	1.3	1.2	1.2	1.0								4.6	7.0
ENE	1.3	1.7	.8	.1								3.9	4.9
E	1.7	2.3	.6									4.6	4.3
ESE	1.3	1.8	.3									3.4	4.1
SE	2.3	3.9	2.4		.1							8.6	5.2
SSE	2.3	5.5	4.4	.4	.1							12.7	5.9
S	2.4	6.2	4.7	1.0								14.3	6.2
SSW	.8	1.9	.8									3.4	5.0
SW	1.2	.9	.2									2.3	3.5
WSW	.8	.6	.1									1.5	3.9
W	.4	.9	.1									1.4	4.1
WNW	.5	.1	.2									.9	4.5
NW	.2	.3	.5	.1								1.2	6.8
NNW	3.1	2.8	1.7	.1								7.0	4.2
VARBL													
CALM												12.6	
	24.2	36.2	20.6	5.7	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702036
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	2.8	1.8	.1							6.5	8.8
NNE	.9	1.5	1.2	2.3								5.7	6.7
NE	.9	2.3	2.3	1.1	.2							6.1	7.8
ENE	1.3	2.3	1.8	.5	.1							6.0	6.3
E	1.6	3.4	1.6	.2								6.9	5.4
ESE	.4	2.0	1.2	.1								3.8	6.2
SE	.8	3.5	3.7	1.0								8.9	7.0
SSE	1.0	4.7	7.0	1.6								14.3	7.6
S	1.7	6.2	10.0	4.6	.2							22.6	8.1
SSW	.8	2.6	1.0	.4								4.7	6.1
SW	.5	1.9	1.3									3.8	5.5
WSW	.1	.3	.3									.8	5.4
W	.4	.5	.3									1.3	4.9
WNW	.2	.1	.1									.4	4.3
NW	.3	.5	.2	.6								1.7	8.2
NNW	.6	.2	.4	.6								1.9	7.3
VARB													
CALM												4.4	
	11.9	32.9	35.2	14.9	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX 70.73-81 YEARS MAY MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.3	1.2	.3							5.2	9.4
NNE	.5	.8	2.0	1.7	.2							5.3	9.3
NE	.5	1.4	1.9	1.7								5.6	8.6
ENE	.5	2.6	1.2	.8								5.3	6.6
E	1.2	3.3	1.9	.1								6.6	5.8
ESE	.6	3.5	2.9	.2								7.3	6.3
SE	.8	4.6	5.8	1.0								12.2	7.1
SSE	.5	3.4	9.6	3.2	.1							16.9	8.4
S	1.2	4.2	9.4	3.8								19.4	8.1
SSW	1.1	1.7	2.0	.8								5.6	6.5
SW	1.0	.3	.8									2.0	5.2
WSW	.2	.3	.3									.9	6.0
W	.5	.2	.1									.9	4.0
WNW	.1		.1	.4								.6	10.8
NW		.2	.3	.1								.6	8.5
NNW	.4	.2	1.3	.5								2.5	8.2
VARBL													
CALM												3.3	
	9.9	28.8	41.9	15.5	.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

2
JLHCL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-20-36 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS MAY MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	2.3	1.1	.2	.2						5.3	9.6
NNE	.7	1.2	2.2	1.3	.1							4.7	8.8
NE	.4	2.3	1.8	.5								5.1	6.9
ENE	.6	2.3	2.4	.3	.1							5.7	6.7
E	1.2	4.0	3.2	.1								9.5	5.7
ESE	.6	3.7	3.7	1.3								9.2	7.5
SE	1.4	4.3	9.4	2.8								18.4	7.8
SSE	1.1	4.2	9.6	3.8								18.6	8.6
S	.7	3.4	6.5	1.9	.1							12.8	7.8
SSW	.4	1.7	1.2	.3								2.9	6.6
SW	.2	.6	.2									1.1	5.1
WSW	.2	.2	.2									.6	4.7
W	.1	.2	.1	.1	.1							.6	9.0
WNW	.2	.1		.1								.4	6.3
NW		.1	.4	.6	.1							1.3	11.5
NNW	.7	.6	.9	.4								2.2	7.6
VARBL													
CALM												1.4	
	3.2	30.9	43.0	14.7	.8	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702 36
STATION

RANDOLPH AFB TX

STATION NAME

70.73-81

YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.1	1.1	.1							3.8	8.9
NNE	.9	1.7	2.3	.6								4.7	7.5
NE	1.5	1.9	1.7	.9								6.0	6.5
ENE	1.8	2.9	1.0									5.7	4.5
E	2.8	5.0	1.1	.3								9.2	4.7
ESE	3.2	5.6	3.6	.5								12.9	5.6
SE	3.1	9.0	10.5	3.0								25.6	7.1
SSE	1.6	6.4	6.8	2.5	.2							17.5	7.4
S	.6	2.3	1.4									4.3	5.7
SSW	.4	.8	.3									1.5	4.7
SW		.1	.1									.2	6.0
WSW	.1											.1	2.0
W	.1											.1	3.0
WNW				.2								.2	14.0
NW	.1	.1	.2	.1								.5	8.4
NNW		.2	.8	.3								1.3	8.6
VARBL													
CALM												6.3	
	16.6	36.5	30.7	9.6	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702436
STATION

RANDOLPH AFB TX
STATION NAME

70.73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	.6	.9								5.0	5.9
NNE	1.5	1.9	1.0	.4								4.9	5.5
NE	2.5	2.5	.9	.1								5.9	4.3
ENE	1.0	1.1	.5									2.6	4.5
E	3.0	1.5	.5									5.1	3.6
ESE	1.4	3.2	1.8	.4		.1						7.0	6.2
SE	2.4	7.0	6.3	.8								17.3	6.2
SSE	2.2	9.3	9.8	2.3	.2							23.7	7.0
S	1.3	3.0	3.6	.3								8.2	6.2
SSW	.3	.8										1.1	4.1
SW	.2	.3										.5	3.8
WSW		.1	.1									.2	7.0
W	.2	.2	.1									.5	4.2
WNW		.2										.2	4.0
NW	.3	.2										.5	3.6
NNW	.6	1.8	.5	.1								3.1	5.3
VARBL													
CALM												14.1	
	18.2	36.2	25.8	5.3	.2	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

772536
STATION

RANDOLPH AFB TX

STATION NAME

70.73-81

YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.3	2.0	1.0	.2	.0						7.4	6.8
NNE	.9	1.5	1.5	1.1	.1							5.1	7.5
NE	1.1	1.7	1.4	.7	.3							5.0	6.6
ENE	1.2	1.9	1.1	.3	.3	.0						4.4	5.5
E	1.9	2.9	1.3	.1								6.3	4.9
ESE	1.5	2.9	1.8	.3		.0						6.5	5.8
SE	1.9	5.3	5.2	1.1	.0							13.5	6.6
SSE	1.5	5.9	7.0	1.9	.1							16.3	7.2
S	1.6	4.9	5.7	1.6	.0							13.8	7.0
SSW	.6	1.5	.8	.2								3.0	5.7
SW	.5	.7	.4									1.6	4.8
WSW	.3	.3	.2		.0							.9	4.9
W	.3	.4	.1	.0	.0							.6	5.1
WNW	.2	.1	.1	.1								.5	6.6
NW	.2	.3	.2	.2	.0							1.0	7.2
NNW	1.3	1.9	.8	.3								4.2	5.1
VARBL													
CALM												9.7	
	17.0	34.4	29.4	9.0	.5	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

7434

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702036
STATION

RANDOLPH AFB TX

STATION NAME

69-70, 73-80

YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.1	.4	.2								5.4	4.1
NNE	1.1	1.1	.7	.2								3.1	5.1
NE	.3	.8	1.2	.1								2.4	6.7
ENE	.3	.3		.1								.8	5.0
E	1.3	.4	.1									1.9	3.1
ESE	1.6	1.0	.2									2.8	3.7
SE	2.6	4.8	2.9	.4								10.7	5.5
SSE	4.0	8.4	8.2	1.9								22.6	6.4
S	3.7	5.9	9.0	1.8								20.2	6.8
SSW	1.1	1.4	.3	.2								3.1	4.7
SW	.8	1.0										1.8	3.5
WSW	.3	.4										.8	3.7
W	.3											.3	2.3
WNW	.1											.1	2.0
NW	.3	.1	.1									.6	3.8
NNW	2.9	1.8		.2								4.9	3.3
VARB													
CALM												18.6	
	23.4	29.6	23.2	5.2								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70.73-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.0	.6									6.6	3.6
NNE	.9	.9	.4	.3								2.6	5.6
NE	.3	1.1	.9	.2								2.6	6.5
ENE	.6	.3	.1	.1								1.1	4.7
E	.4	.4										.9	4.0
ESE	.9	.4										1.3	2.9
SE	1.7	2.2	.9									4.8	4.4
SSE	1.8	5.1	5.4	.9								13.2	6.5
S	3.1	8.1	11.6	1.0								23.8	6.5
SSW	2.0	1.3	.7	.1								4.1	4.7
SW	1.7	1.1	.1									2.9	3.5
WSW	.9	.9	.1									1.9	3.8
W	.3	.2										.6	3.4
WNW	.3	.1										.4	2.8
NW	.8	.4										1.2	3.2
NNW	5.7	2.7	.1									8.4	3.1
VARB													
CALM												23.7	
	25.4	27.3	20.9	2.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.0	.7	.4								7.4	4.1
NNE	1.1	1.2	.8	.6								3.7	5.9
NE	.9	1.0	1.1	.1	.1							3.2	6.5
ENE	1.0	.9	.7									2.6	4.8
E	1.1	1.7	.1									2.9	3.8
ESE	1.9	1.1	.3									3.3	3.5
SE	1.7	2.1	1.2									5.0	4.8
SSE	1.1	3.9	4.8	1.2								11.0	7.0
S	2.2	8.0	11.0	3.3								24.6	7.4
SSW	1.3	2.4	2.7	.1								6.6	5.8
SW	1.3	2.1	.2									3.7	4.5
WSW	.6	.8	.1									1.4	4.2
W	1.2	1.1	.1	.2								2.7	4.6
WNW	.2	.2										.4	3.8
NW	.2	.4										.7	3.8
NNW	2.7	1.7	.7									5.0	3.8
VARBL													
CALM												15.9	
	22.9	30.7	24.2	6.2	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS JUN
CLASS ALL WEATHER
CONDITION
C900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	.7	.8								3.0	7.6
NNE	.8	1.1	.9	.4								3.2	6.3
NE	.9	1.4	1.7	.7								4.7	6.6
ENE	.3	2.1	1.2	.1								3.8	5.9
E	.7	1.6	.7	.2								3.1	5.6
ESE	.3	1.1	.8	.1								2.3	6.0
SE	1.0	1.9	1.7	.3								4.9	6.4
SSE	1.6	4.7	5.1	3.0	.1							14.5	7.9
S	2.6	7.0	16.6	8.5	.2							34.8	8.5
SSW	1.7	4.2	4.3	1.7								11.2	7.3
SW	1.2	2.2	1.2	.1								4.8	5.4
WSW	.7	.8	.2									1.7	4.2
W	.3	1.0	.2	.2								1.8	5.8
WNW	.6		.1									.7	2.8
NW	.4	.1	.2	.1								.9	5.5
NNW	.2	.4	.1	.1								.9	6.0
VARB													
CALM												3.6	
	13.0	30.8	35.7	16.4	.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUN
MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.7	.6	.1							2.7	7.5
NNE		1.0	1.0	.1								2.1	7.0
NE	.4	1.3	1.1	.3								3.2	6.6
ENE	1.1	2.6	1.4	.2								5.3	5.8
E	1.1	2.9	2.1	.3								6.4	5.9
ESE	.8	1.9	1.0	.1								3.8	5.7
SE	1.2	3.7	3.1	1.1								8.4	7.0
SSE	2.2	7.2	9.6	4.7	.3							24.0	7.9
S	2.1	7.6	13.2	7.2	.1							30.2	8.4
SSW	.8	1.8	2.2	.4								5.2	6.6
SW	.4	.9	.8									2.1	5.7
WSW	.3	.2	.3									.9	4.8
W	.2	.3	.2	.1								.9	5.5
WNW		.3										.3	4.3
NW			.1									.1	8.0
NNW	.1	.2	.2	.2								.8	7.9
VARBL													
CALM												3.4	
	11.3	32.1	37.1	15.4	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

122036 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS JUN MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.6	.3								1.7	7.1
NNE	.1	1.0	1.2	.1	.1							2.6	7.6
NE	.3	.9	1.6	.7								3.4	7.7
ENE	1.0	3.2	1.7	.2								6.1	5.7
E	1.8	3.8	2.7									8.2	5.5
ESE	1.1	4.4	4.1	.3								10.0	6.3
SE	1.9	5.4	10.3	3.9	.1							21.7	8.0
SSE	.7	5.7	11.8	6.3								24.4	8.8
S	.9	3.8	6.8	3.2	.1							14.8	8.4
SSW	.3	1.0	.8	.7								2.8	7.5
SW	.1	.4										.6	4.2
WSW	.1	.2	.1									.4	4.8
W	.3	.2										.6	3.4
WNW	.1											.1	2.0
NW		.1										.1	6.0
NNW	.1		.6	.3								1.0	9.2
VARIABLE													
CALM												1.6	
	2.3	30.6	42.1	16.1	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536 RANDOLPH AFB TX 69-70,73-80 JUN
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 1900-2000
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.3	.2								1.7	5.7
NNE	.3	.9	.8	.3								2.3	6.9
NE	.4	.9	.6	.3	.1							2.3	7.4
ENE	.7	1.3	.8									3.0	5.0
E	2.7	4.2	1.8	.1								9.0	4.7
ESE	2.6	6.4	3.7	.6								12.6	5.5
SE	3.3	10.3	14.7	6.4								34.8	7.6
SSE	1.1	4.3	12.8	4.0								22.2	8.3
S	.7	2.3	2.6	.3								5.9	6.8
SSW	.1	.3	.4	.1								1.0	6.4
SW	.1											.1	2.0
WSW			.1									.1	8.0
W		.1										.1	6.0
WNW	.1	.1	.1									.3	5.3
NW													
NNW	.6	.1	.1									.8	3.3
VARBL													
CALM												3.8	
	13.6	32.1	38.0	12.4	.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	.1		.1							2.4	4.6
NNE	.1	1.1	.1	.1								1.3	5.3
NE	1.2	1.2	.7	.2								3.3	5.2
ENE	.8	.7	.4									1.9	4.6
E	2.4	1.1	.7									4.2	3.9
ESE	2.2	2.1	1.4	.1								5.9	4.9
SE	3.2	10.0	8.4	2.2								23.9	6.7
SSE	1.7	10.8	13.6	4.4								30.4	7.5
S	1.4	3.6	3.6	.2								6.8	6.2
SSW	.2	.6	.1	.1								1.0	5.0
SW	.3	.1										.4	3.5
WSW	.1	.2										.3	4.3
W			.1									.1	10.0
WNW		.1										.1	4.0
NW	.1											.1	3.0
NNW	1.0	.7	.1				.1					1.9	4.8
VARBL													
CALM												13.8	
	15.9	33.4	29.3	7.4	.1		.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

719936 RANDOLPH AFB TX 69-70.73-80 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.5	.3	.0							3.9	4.9
NNE	.6	1.0	.7	.3	.0							2.6	6.2
NE	.6	1.1	1.1	.3	.0							3.2	6.6
ENE	.0	1.4	.8	.1								3.1	5.4
E	1.5	2.7	1.0	.1								4.6	4.9
ESE	1.4	2.3	1.4	.2								5.3	5.3
SE	2.1	5.0	5.4	1.8	.0							14.3	7.0
SSE	1.4	6.3	8.9	3.3	.1							20.3	7.6
S	2.1	5.4	9.3	3.2	.1							20.4	7.6
SSW	.9	1.6	1.4	.4								4.4	6.3
SW	.8	1.7	.3	.0								2.0	4.6
WSW	.4	.4	.1									.9	4.2
W	.2	.4	.1	.1								.9	4.8
WNW	.2	.1	.0									.3	3.5
NW	.2	.2	.1	.0								.5	4.2
NNW	1.7	.9	.2	.1			.0					3.0	4.0
VARBL													
CALM												10.6	
	16.8	30.8	31.3	10.2	.2		.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7199

AD-A113 704

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED USAFETAC/DS-82/012

SBI-AD-P850 152

NL

2 of 5

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2
 CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

172536 STATION RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS JUL MONTH 0000-0200 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.3
NNE	.9	.1										.9	2.4
NE	.9	.5										1.4	3.2
ENE	.5											.5	2.2
E	1.5	.6		.1								2.3	3.4
ESE	1.1	.7										1.9	3.1
SE	3.2	4.8	.4									8.5	3.9
SSE	4.8	11.9	4.9	.5								22.3	5.2
S	4.8	15.7	5.7	.3								26.6	5.2
SSW	3.1	4.2	.2									7.5	3.9
SW	1.7	1.1	.1									2.9	3.2
WSW	.8	.1										.9	2.5
W	.2											.2	2.0
WNW													
NW	.3											.3	2.0
NNW	.6	.1										.8	2.1
VARBL													
CALM												21.8	
	25.7	40.1	11.4	1.0								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH
0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.1										1.8	2.2
NNE	.5	.3										.9	2.9
NE	1.0	.2										1.2	2.7
ENE	.8	.2										1.0	2.4
E	1.1	.4										1.5	2.9
ESE	1.3	.6	.2									2.2	3.1
SE	2.2	1.2	.3									3.7	3.7
SSE	4.2	4.0	.9	.1								9.1	3.9
S	4.9	9.2	4.7									18.9	5.1
SSW	5.6	5.3	1.0									11.8	3.8
SW	3.1	2.9	.4									6.5	3.7
WSW	1.9	1.0										2.9	3.0
W	1.5	.3										1.8	2.6
WNW	.2	.1										.3	3.3
NW	.3											.3	1.7
NNW	1.6	.8	.1									2.5	3.2
VARBL													
CALM												33.7	
	31.9	26.7	7.6	.1								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

PANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	.5	.2									3.2	3.0
NNE	.9	.5										1.4	2.9
NE	1.0	1.0										1.9	3.6
ENE	1.2	1.1	.2									2.5	3.9
E	2.0	1.2	.2									3.4	3.3
ESE	1.2	.6	.2									2.0	3.5
SE	2.0	1.6	.3	.1								4.9	3.6
SSE	2.4	4.5	.6	.1								7.6	4.5
S	4.0	10.5	6.3	.4								21.3	5.6
SSW	3.7	4.8	2.3									10.8	4.7
SW	2.6	4.1	1.0									7.6	4.2
WSW	1.2	1.6	.2									3.0	4.0
W	1.6	.8	.1									2.5	3.3
WNW	.4	.1										.5	2.4
NW	.4	.2	.1									.8	4.1
NNW	1.1	1.4										2.5	3.5
VARBL													
CALM												24.0	
	28.9	34.6	11.8	.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8										1.6	3.7
NNE	.5		.3									.9	4.4
NE	.8	1.3	.4	.1								2.6	5.0
ENE	1.4	1.0	.5	.1								3.0	4.5
E	1.3	2.2	.4									3.9	4.6
ESE	.9	.6	.6									2.2	4.9
SE	1.4	2.7	1.2	.1								5.4	5.2
SSE	1.7	3.8	4.3	.9								10.6	6.6
S	3.5	10.6	15.9	3.0								33.1	7.0
SSW	2.2	7.2	5.1	.4								14.8	5.9
SW	1.5	5.3	1.3									8.1	4.9
WSW	1.0	1.4	.8									3.1	4.8
W	1.0	1.2	.1									2.3	3.8
WNW	.3	.4										.8	3.3
NW	.4	.2										.6	3.0
NNW	.3	.3	.1									.8	4.1
VARB.													
CALM												6.3	
	19.0	38.9	31.1	4.6								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.1	.8									1.8	4.7
NNE	.4	.4	.4									1.3	4.9
NE	.3	.9										1.2	4.5
ENE	1.1	1.3	.9	.1								3.3	5.5
E	1.1	2.8	2.2	.1								6.1	5.9
ESE	1.1	2.0	1.4	.1								5.5	5.6
SE	1.6	5.2	4.9	1.0								12.7	6.4
SSE	2.2	7.4	8.2	1.7								19.5	7.0
S	2.6	11.2	12.2	3.2								29.1	7.1
SSW	1.7	4.1	2.7	.1								8.6	5.4
SW	.8	2.4	.5									3.7	5.0
WSW	.8	.3	.1									1.2	3.5
W	.4	.5										1.0	3.4
WNW			.1									.1	10.0
NW		.4	.1									.5	5.0
NNW	.1	.1	.3									.5	7.4
VARB													
CALM												3.9	
	15.1	40.0	34.7	6.3								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

712036
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.3	.1								1.3	6.3
NNE	.5	.3	.6	.1								1.6	5.9
NE	.5	1.1	.5									2.2	5.1
ENE	1.2	1.2	.5									2.9	4.5
E	1.5	2.0	2.5	.4								7.3	5.9
ESE	1.1	4.0	4.3	.8								10.1	6.9
SE	1.8	8.7	10.6	2.0	.3							23.5	7.4
SSE	1.2	8.4	12.7	2.8								25.1	7.5
S	1.0	6.2	7.7	1.7								16.7	7.3
SSW	.6	1.9	.9	.1								3.5	5.6
SW	.5	.9										1.4	3.9
WSW	.3	.3										.6	3.3
W	.3	.1										.4	3.0
WNW		.1										.1	5.0
NW	.1	.2										.3	3.7
NNW	.4	.5										1.0	3.9
VARBL													
CALM												1.9	
	11.4	37.5	40.8	8.1	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUL
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	.3	.1								1.9	5.3
NNE	.6	.5	.2									1.4	3.8
NE	1.3	1.3	.3									2.6	3.9
ENE	1.6	1.2	.2	.2								3.2	4.3
E	1.2	3.2	.6	.1								5.2	4.9
ESE	1.7	5.6	3.2	.4								11.0	6.0
SE	3.3	14.1	13.9	3.3								34.6	6.8
SSE	1.5	9.7	11.3	4.6								27.1	7.6
S	1.0	2.9	2.5	.4								6.8	6.3
SSW	.3	.3	.4									1.1	5.4
SW	.1	.2	.2									.5	6.2
WSW	.2	.1	.1									.4	4.5
W			.1									.1	8.0
WNW													
NW	.1	.1										.2	4.0
NNW	.2				.1							.3	7.7
VARBL													
CALM												3.5	
	13.9	39.8	33.4	9.2	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722036
STATION

RANDOLPH AFB TX

STATION NAME

69-70, 73-80

YEARS

JUL

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3		.1								.8	4.3
NNE	.6	.4										1.2	2.6
NE	.8	.3	.4									1.5	4.7
ENE	1.1	.4	.2	.1								1.8	4.0
E	2.8	2.6	.2									5.6	3.4
ESE	1.9	2.2	.8									4.8	4.3
SE	2.8	10.9	7.4	1.4								22.5	6.2
SSE	2.4	15.3	18.8	3.0								39.5	7.0
S	1.2	4.8	3.2									9.2	5.9
SSW	.2	1.0				.1						1.3	5.5
SW	.3	.1										.4	2.8
WSW	.3	.1										.4	2.8
W													
WNW		.2										.2	4.0
NW													
NNW	.3	.3										.6	3.2
VARB													
CALM												10.1	
	15.2	38.9	31.1	4.6		.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	.2	.0								1.7	3.9
NNE	.6	.3	.2	.0								1.2	3.9
NE	.9	.8	.2	.0								1.8	4.2
ENE	1.1	.8	.3	.1								2.3	4.3
E	1.6	2.0	.8	.1								4.4	4.7
ESE	1.3	2.2	1.3	.2								5.0	5.4
SE	2.4	6.1	4.9	1.0	.0							14.5	6.2
SSE	2.5	8.1	7.7	1.7								20.1	6.6
S	2.9	8.9	7.3	1.1								20.2	6.2
SSW	2.2	3.6	1.6	.1		.0						7.4	4.9
SW	1.3	2.1	.4									3.9	4.3
WSW	.8	.6	.1									1.6	3.7
W	.6	.4	.0									1.0	3.3
WNW	.1	.1	.0									.3	3.6
NW	.2	.1	.0									.4	3.5
NNW	.6	.4	.1		.0							1.1	3.8
VARBL													
CALM												13.2	
	20.1	37.1	25.2	4.3	.1	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

7440

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	.8										3.2	2.9
NNE	1.5	.2										1.7	2.4
NE	1.4	.2	.2	.2								2.0	3.9
ENE	1.4	.3	.1									1.8	2.6
E	1.4	.4	.4	.2	.1							2.6	5.2
ESE	1.3	.4			.1							1.8	3.6
SE	4.0	2.2	.8	.1								7.0	3.9
SSE	6.5	6.3	4.4	.2								17.4	4.8
S	4.4	11.3	4.8	.2								20.8	5.2
SSW	3.3	2.2	.4									5.9	3.6
SW	1.4	1.0	.1									2.5	3.4
WSW	.9	.6	.1									1.6	3.5
W	.5	.1										.6	2.5
WNW	.3	.1										.4	2.8
NW	.3	.2										.5	3.4
NNW	1.6	1.3										2.9	3.1
VARBL													
CALM												27.1	
	32.7	27.6	11.4	1.0	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2536 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 MONTH AUG
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 0300-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.5										5.9	2.6
NNE	.9	.5	.1									1.5	3.4
NE	1.1	.8	.2	.2								2.3	4.4
ENE	1.3	.4										1.7	2.7
E	.5	.6	.3									1.5	4.5
ESE	1.7	.1	.1	.2	.1							2.3	4.5
SE	.9	.5	.4	.1								1.9	4.8
SSE	3.4	1.8	1.8	.2								7.3	4.7
S	5.4	6.5	3.9	.1								15.8	4.8
SSW	3.0	3.8	1.2									8.0	4.3
SW	2.7	1.6	.1	.1								4.5	3.4
WSW	2.0	1.5	.1									3.7	3.2
W	1.2	.8	.1									2.0	3.2
WNW	.9	.1										1.0	2.7
NW	.5	.4										1.0	3.1
NNW	4.4	1.6										6.0	2.8
VABSL													
CALM												33.7	
	34.3	22.6	8.4	1.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

2
JULIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70436
STATION

RANDOLPH AFB TX
STATION NAME

65-70,73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1600-2800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	4.1	2.0	.1									6.1	3.2
NNE	1.6	.9		.1								2.6	3.5
NE	2.4	1.2	.5	.2								4.3	4.2
ENE	1.2	.9	.2									2.3	3.6
E	2.3	1.6	.2									4.1	3.4
ESE	1.3	.5	.2	.1	.1							2.3	4.5
SE	1.3	.4	.3	.1								2.2	4.3
SSE	2.4	2.0	1.2	.6								6.2	5.3
S	3.5	7.6	4.1	.4								15.7	5.4
SSW	3.0	3.3	1.2	.3								7.8	4.9
SW	1.3	2.6	.4	.2								4.5	4.8
WSW	1.0	1.5	.1									2.6	3.9
W	.6	1.1	.1									1.8	3.8
WNW	.1	.1										.2	4.5
NW	.2	.1	.1									.4	4.5
NNW	3.9	2.0	.4									6.3	3.2
VARBL													
CALM												30.5	
	30.0	28.0	9.2	2.2	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72236 RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	.2									2.2	3.4
NNE	.5	.6	1.3	.3								2.8	7.3
NE	1.2	1.8	1.5	.4								4.9	6.0
ENE	1.6	2.2	1.1	.1								4.9	4.8
E	2.0	3.2	1.3									6.6	4.9
ESE	1.2	1.5	.6	.2								3.5	5.2
SE	1.2	1.0	.4	.1								2.7	4.7
SSE	2.8	4.1	1.5	.8								9.1	5.4
S	3.8	8.7	9.9	3.5								25.9	6.9
SSW	1.9	7.2	4.0	1.0								14.1	6.2
SW	1.0	4.0	1.6	.3								6.9	5.7
WSW	1.3	1.5	.9	.1								3.3	5.2
W	1.7	1.4	.3									3.0	3.9
WNW	.4	.5										1.0	3.7
NW	.5	.1	.1									.8	3.0
NNW	.5	.1										.6	2.5
VARBL													
CALM												7.2	
	22.6	38.6	24.7	6.9								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536 STATION RANDOLPH AFB TX 69-70,73-80 YEARS AUG MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.4	.2								1.2	8.0
NNE	.4	1.6	.8	.3	.1							3.2	6.7
NE	1.8	1.1	1.4	.4								4.7	5.5
ENE	1.2	1.9	1.8	.4	.1							5.5	6.3
E	1.9	3.9	2.7	.3								8.8	5.6
ESE	1.6	1.8	1.7	.4	.1							5.7	6.0
SE	1.7	4.4	2.0	.3								8.5	5.5
SSE	2.0	7.5	5.9	1.4	.2							17.1	6.6
S	4.1	9.9	9.0	2.7	.1							25.8	6.6
SSW	1.8	2.6	1.8	.5								6.8	5.7
SW	.6	1.5	.8	.1								3.0	5.5
WSW	.6	1.5	.3									2.5	4.5
W	.3	.4										.8	3.9
WNW	.3		.1									.4	3.5
NW	.3	.2	.1									.6	4.7
NNW	.1	.2		.1								.4	6.0
VARBL													
CALM												4.8	
	19.1	39.2	29.0	7.3	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

AUG
MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.3									1.6	4.4
NNE	.5	.3	1.2									2.0	6.3
NE	1.2	.5	.4	.3	.3							2.8	6.8
ENE	1.9	2.2	1.2	.6	.1	.2						6.2	6.6
E	2.5	5.2	4.4	1.1								13.1	6.3
ESE	1.6	3.5	3.3	1.1	.1							9.7	6.7
SE	3.1	6.3	7.4	2.6	.3							19.8	7.2
SSE	2.6	6.5	7.2	2.5	.1							18.8	7.2
S	1.2	6.0	4.6	1.8	.1							13.8	7.0
SSW	.8	1.4	1.7	.2								4.1	6.3
SW	.8	1.1	.2									2.0	4.0
WSW	.1	.5	.2	.1								1.0	6.8
W		.2	.3									.5	7.6
WNW		.1										.1	6.0
NW	.2	.1	.1									.4	4.3
NNW	.2	.1										.3	3.0
VARBL													
CALM												3.7	
	17.3	34.7	32.7	10.3	1.1	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.1	.2	.1							1.6	6.8
NNE	.5	.3	.1									1.0	3.6
NE	1.1	.9	.5	.1	.3							2.9	6.3
ENE	.3	1.5	1.0	.3								3.5	5.8
E	1.9	4.4	2.3	.6								9.2	5.7
ESE	3.0	5.1	3.0	.4								11.5	5.4
SE	5.2	13.3	10.4	2.4	.3							31.6	6.3
SSE	3.0	7.5	6.6	2.4	.3							19.8	7.0
S	.5	2.9	3.8	1.3	.1							8.6	7.7
SSW		.3	.2	.1								.6	7.7
SW	.2	.3		.1								.6	4.8
WSW		.2										.2	4.0
W	.2	.1										.3	3.3
WNW	.2	.1										.3	2.7
NW		.1	.1	.1								.3	8.3
NNW	.3											.3	2.3
VARBL													
CALM												7.4	
	17.3	38.0	28.1	8.1	1.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

PANDOLPH AFB TX

STATION NAME

69-70,73-80

YEARS

AUG

MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.1									1.7	3.4
NNE	1.3	.8										2.0	3.2
NE	.9	.1		.1		.1						1.2	5.0
NNE	1.6	1.0	.2	.2	.3							3.3	5.9
E	2.5	2.4	.8									5.6	4.1
ESE	3.3	3.4	.4	.3								7.5	4.2
SE	5.2	9.7	4.6	.4								19.9	5.2
SSE	3.3	11.6	9.5	3.5								28.0	6.9
S	1.7	3.5	3.4	2.4	.1							11.2	7.5
SSW	.8	.9	.2									1.8	4.5
SW	.4	.2										.6	3.0
WSW	.1	.1										.2	4.0
W													
WNW		.1										.1	4.0
NW	.3											.3	2.3
NNW	.4	.3										.8	3.1
VARB													
CALM												15.7	
	22.9	34.6	19.2	7.0	.4	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.2	.1	.0							2.9	3.6
NNE	.9	.7	.4	.1	.0							2.1	4.9
NE	1.4	.9	.6	.3	.1	.0						3.1	5.4
ENE	1.4	1.3	.7	.2	.1	.0						3.7	5.4
E	1.9	2.7	1.5	.3	.0							6.4	5.3
ESE	1.9	2.1	1.2	.3	.1							5.5	5.4
SE	2.8	4.7	3.3	.8	.1							11.7	5.9
SSE	3.3	5.9	4.8	1.5	.1							15.5	6.3
S	3.1	7.1	5.4	1.6	.1							17.2	6.3
SSW	1.8	2.7	1.3	.3								6.1	5.3
SW	1.0	1.5	.4	.1								3.1	4.6
WSW	.9	.9	.2	.0								1.9	4.3
W	.5	.5	.1									1.1	3.8
WNW	.3	.1	.0									.4	3.3
NW	.3	.2	.1	.0								.6	3.9
NNW	1.4	.7	.1	.0								2.2	3.1
VARBL													
CALM												16.3	
	24.5	32.9	20.3	5.5	.5	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70.73-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.6	2.1	.7		.1						11.9	5.1
NNE	1.6	2.2	1.9	.4	.1							6.2	6.2
NE	.6	2.1	1.0	.3								4.0	5.9
ENE	1.6	1.0	.3									2.9	3.9
E	2.1	1.1	.1	.1								3.4	3.3
ESE	1.0	.7	.3									2.0	3.8
SE	2.4	1.7	.8	.2								5.1	4.2
SSE	2.3	3.7	2.0									8.0	5.0
S	2.2	5.0	4.4	.9								12.6	6.2
SSW	1.7	1.0	.3									3.0	3.6
SW	1.9	.4										2.3	2.7
WSW	.6	.1										.7	2.2
W	.2	.1	.1									.4	4.0
WNW	.1											.1	2.0
NW	.8	.1										.9	2.6
NNW	4.4	4.9	.4	.3								10.1	4.0
VARBL													
CALM												26.3	
	27.9	28.7	13.9	3.0	.1	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722036
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

SEP
MONTH
0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	6.2	2.8	.8								16.0	4.8
NNE	1.1	2.7	2.2	.7								6.7	6.4
NE	1.0	1.4	1.3	.2								4.0	5.7
ENE	.8	.8	.1									1.7	3.6
E	2.2	.7	.3									3.2	3.3
ESE	1.2	.4	.1									1.8	3.1
SE	1.0	1.6	.3									2.9	4.3
SSE	1.0	1.7	.9									4.4	4.4
S	2.9	3.3	4.7	.7								11.6	6.0
SSW	1.0	2.1	1.0									4.1	5.1
SW	.9	.6	.2									1.7	3.8
WSW	.7	.1										.8	2.6
W	.8	.1										.9	2.6
WNW	.8	.1	.2									1.1	4.1
NW	1.3	.1	.1	.1								1.7	3.4
NNW	7.3	6.1	.2	.1								13.8	3.5
VARBL													
CALM												23.7	
	31.1	28.0	14.6	2.6								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72436 STATION RANDOLPH AFB TX 69-70.73-80 YEARS SEP MONTH
0600-0600 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	5.8	7.1	2.4	.9	.2							16.4	5.1
NNE	2.4	2.6	2.4	1.1								8.6	6.2
NE	1.7	2.6	2.3	.9								7.4	6.4
ENE	1.9	1.0	.7	.1								3.7	4.2
E	2.1	1.1	.3	.1								3.7	3.8
ESE	.9	.9										1.8	3.3
SE	1.3	.9	.3	.1								2.7	4.5
SSE	1.1	1.1	.6	.2								3.0	5.2
S	.8	4.0	2.8	.4								8.0	6.4
SSW	1.8	3.3	1.0	.2								6.3	5.1
SW	1.6	1.9										3.4	3.6
WSW	.2	.2										.6	3.4
W	.8	.3	.3									1.4	4.5
WNW	.3	.1	.1									.6	4.4
NW	.9	.2										1.1	2.9
NNW	5.0	5.4	.8	.2								11.4	4.0
VARBL													
CALM												19.9	
	28.7	32.8	14.1	4.3	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-22-36 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS SEP
MONTH
0900-1100
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.9	3.1	1.2	.6							7.9	8.5
NNE	1.1	2.0	4.0	1.3								8.4	7.8
NE	1.4	2.4	5.0	2.2								11.1	8.0
ENE	1.8	3.0	3.3	.7								8.8	6.3
E	1.6	2.9	1.1	.1								5.7	5.0
ESE	1.4	1.4	.9									3.8	4.7
SE	1.2	2.5	.8									4.6	5.0
SSE	1.3	2.8	1.3	.9								6.3	6.4
S	2.6	5.6	4.0	4.1								16.2	7.5
SSW	1.2	3.3	2.4	1.2	.1							8.3	7.0
SW	1.0	2.6	1.1	.2								4.9	5.4
WSW	.7	1.7	.6									2.9	4.9
W	1.0	.9	.4									2.3	4.5
WNW	.1	.2	.3									.7	5.5
NW	.1	.1	.1									.3	5.7
NNW	.3	.9	.2	.2								1.7	5.8
VARBL													
CALM												6.1	
	18.0	34.2	28.8	12.2	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2536 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS SEP MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.6	2.6	.1							7.1	9.4
NNE	1.0	2.1	2.8	1.3	.2							7.4	6.1
NE	.9	2.4	4.2	2.3	.1							10.0	8.2
ENE	1.3	3.4	3.3	.7	.1							8.6	6.8
E	1.3	4.0	3.2	.7								9.2	6.3
ESE	1.8	2.1	1.8	.1								5.8	5.4
SE	1.3	2.9	1.4	.1								5.8	5.4
SSE	2.1	3.6	2.8	.9								9.3	6.2
S	2.1	5.8	5.1	3.6								16.6	7.6
SSW	1.7	3.1	1.9	.8								6.8	6.5
SW	1.3	1.1	.4	.2								3.1	4.9
WSW	.3	.6	.3									1.2	4.8
W	.6	.6	.6									1.7	5.6
WNW		.1	.2		.1							.4	9.8
NW	.2	.1	.1									.4	4.5
NNW	.2	.7	.8	.2								1.9	7.4
VARB													
CALM												4.7	
	15.8	33.9	31.6	13.4	.7							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS SEP MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.6	1.8	.2							6.6	8.9
NNE	1.4	1.3	3.3	1.8	.3							8.2	8.2
NE	.7	2.9	3.2	1.6	.1							8.4	7.5
ENE	1.7	3.6	3.2	.7								9.1	6.4
E	1.8	5.0	4.3	.8								11.9	6.4
ESE	1.4	2.7	2.3	.2								6.7	5.7
SE	1.3	3.7	4.4	1.1								10.6	7.0
SSE	1.6	3.9	5.8	2.4	.1							13.8	7.8
S	1.8	4.0	4.7	1.8	.2	.1						12.6	7.5
SSW	.2	1.2	.4	.9								2.8	8.0
SW	.9	.7	.3									1.9	4.4
WSW	.4	.3	.2									1.0	4.0
W	.4	.1	.1									.7	3.5
WNW	.2	.1										.3	2.7
NW	.3	.1	.1		.1							.7	6.5
NNW	.1	.3	.2	.3								1.0	8.2
VARB.													
CALM												3.9	
	15.0	31.2	35.3	13.3	1.1	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 72236 RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS SEP MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	2.2	.8								7.1	6.4
NNE	1.0	2.6	2.0	.9	.2							6.7	7.3
NE	1.0	2.4	1.9	1.0	.1							7.7	6.3
ENE	2.1	2.7	.8	.2								5.8	4.7
E	3.1	4.7	2.4	.6								10.8	5.3
ESE	3.6	5.1	2.3	1.1								12.1	5.5
SE	4.1	7.0	4.9	1.3	.1							17.4	5.9
SSE	2.7	4.4	4.2	2.3	.1							13.6	6.9
S	1.1	2.1	1.3	.2	.3							5.1	6.7
SSW	.1	.3	.2									.7	5.3
SW	.5	.1										.7	2.7
WSW	.1	.1	.1									.3	4.7
W	.2	.3	.1									.7	4.0
WNW													
NW		.2										.2	4.0
NNW	.3	.3		.1	.1							.9	6.5
VARBL													
CALM												10.1	
	22.3	35.4	22.6	8.6	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

102036 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS SEP MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.7	1.9	.4								9.9	5.3
NNE	2.1	3.1	1.2	.7	.3							7.4	6.0
NE	2.4	1.3	1.3	.8								5.9	5.5
ENE	1.8	2.1	.2									4.1	3.6
E	2.4	2.7	.4	.1								5.7	4.1
ESE	2.4	1.4	.4	.2								4.9	4.0
SE	3.1	4.2	2.4	.3								10.8	4.9
SSE	2.3	6.7	4.3	1.8								15.1	6.4
S	1.7	2.6	3.3	.8								8.3	6.4
SSW	.6	.4	.1									1.1	3.9
SW	.2	.1	.1									.4	4.0
WSW	.4	.4		.1								1.0	5.0
W	.1											.1	3.0
WNW													
NW		.1										.1	5.0
NNW	2.1	1.6	.1	.2								4.0	3.8
VARIABLE													
CALM												21.1	
	23.7	33.4	16.0	5.4	.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72536 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 SEP
MONTH
ALL
HOURS (L.S.T.)

CLASS
ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.8	2.5	1.1	.1	.0						10.4	6.2
NNE	1.5	2.3	2.5	1.0	.2							7.5	7.1
NE	1.3	2.3	2.5	1.2	.0							7.3	7.0
ENE	1.6	2.2	1.5	.3	.0							5.6	5.5
E	2.1	2.9	1.5	.3								6.7	5.2
ESE	1.7	1.9	1.0	.2								4.8	4.9
SE	0.0	3.1	1.9	.4	.0							7.5	5.5
SSE	1.0	3.5	2.7	1.1	.0							9.2	6.4
S	1.9	4.0	3.8	1.6	.1	.0						11.4	6.9
SSW	.9	1.9	.9	.4	.0							4.1	5.9
SW	1.0	.9	.3	.1								2.3	4.3
WSW	.4	.4	.2	.0								1.1	4.3
W	.5	.3	.2									1.0	4.3
WNW	.2	.1	.1		.0							.4	5.0
NW	.5	.1	.1	.0	.0							.7	3.8
NNW	2.5	2.5	.3	.2	.0							5.6	4.2
VARBL													
CALM												14.5	
	22.5	32.2	22.1	7.9	.5	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7199

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX

STATION NAME

69-73, 73-80

YEARS

OCT

MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	4.8	2.3	1.5	.1							13.9	5.5
NNE	1.3	1.7	2.8	.9								6.7	6.9
NE	.9	.9	1.6	.9								4.2	7.5
ENE	.9	.5	.3	.2								1.9	5.3
E	1.5	1.0	.3									2.8	3.6
ESE	.8	.5	.3	.1								1.7	4.5
SE	.8	.5	.9	.9								3.0	7.6
SSE	3.5	1.5	1.9	.6								7.6	5.2
S	3.4	5.7	3.5	.8								13.4	5.6
SSW	1.6	.6	.2									2.5	3.3
SW	1.3	.2										2.0	2.4
WSW	1.4	.4										1.8	2.7
W	.5	.3										.9	2.8
WNW	.6	.5										1.2	3.1
NW	.8	.8										1.5	3.5
NNW	7.7	4.8	.3	.1								13.0	3.3
VARBL													
CALM												21.8	
	32.7	24.9	14.5	5.9	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

930

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536 STATION RANDOLPH AFB TX STATION NAME 69-70, 73-60 YEARS OCT MONTH
CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.3	4.6	2.3	2.0								17.2	4.9
NNE	1.8	2.3	3.4	1.0								8.5	6.8
NE	1.3	.6	1.6	.5								4.1	6.4
ENE	.7	1.4	.3									2.0	4.8
E	1.3	.6	.1									2.0	3.2
ESE	.4	.8	.2									1.4	4.5
SE	.1	.8	.5	.3	.1							1.8	8.4
SSE	1.7	1.4	.9	.4								4.0	5.5
S	2.8	3.7	4.1	.1								10.6	5.6
SSW	2.3	.9	.4	.1								3.7	3.7
SW	1.1	.9										1.9	3.4
WSW	1.0	.5										1.5	3.2
W	1.0	.3										1.3	2.6
WNW	.4											.4	1.8
NW	1.2	1.7	.1									2.3	3.6
NNW	10.2	6.2	.3	.3								17.1	3.5
VARB													
CALM												20.1	
	34.7	25.9	14.3	4.8	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

HANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	5.2	2.7	2.4	.2							20.2	5.2
NNE	1.7	3.1	3.5	1.1								9.5	6.7
NE	1.7	2.2	1.9	.5								6.3	6.0
ENE	1.6	.9	.3									2.8	3.5
E	.6	.8	.3									1.7	4.1
ESE	.8	.9										1.6	3.5
SE	.6	.6	.4	.1								1.8	5.4
SSE	.8	1.4	1.1	.3								3.5	6.2
S	1.9	4.4	2.6	.4								9.4	5.5
SSW	1.3	1.8	.8	.1								4.0	4.9
SW	1.1	1.0										2.0	3.3
WSW	.5	.9	.3									1.7	4.6
W	.3	.4	.1									.9	4.0
WNW	.4	.1	.1									.6	3.8
NW	1.4	1.2										2.6	3.2
NNW	10.3	4.7	.6	.3								16.0	3.4
VARBL													
CALM												15.3	
	34.9	29.5	14.8	5.3	.2							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	2.3	4.7	.3							10.2	9.4
NNE	1.1	1.3	2.4	2.2	.5							7.4	8.9
NE	1.3	3.2	4.1	1.8								10.4	7.5
ENE	1.4	2.6	1.4	.4								5.8	5.7
E	1.7	3.3	.8									5.8	4.4
ESE	1.2	1.4	.4									3.0	4.5
SE	.5	2.3	.8	.5								4.1	6.4
SSE	1.2	1.4	2.3	.9								5.7	7.0
S	2.2	4.6	6.7	3.1								16.6	7.5
SSW	1.3	2.3	2.4	.6								6.6	6.7
SW	1.6	3.3	2.0									7.0	5.4
WSW	.3	2.2	1.2	.1								3.8	5.9
W	1.1	1.0	.4									2.5	4.4
WNW	.6	.2	.2									1.1	3.5
NW	.1	.2	.3	.1								.8	7.1
NNW	.6	.8	.2	.8	.1	.1						2.6	8.3
VARBL													
CALM												6.8	
	18.1	31.1	27.7	15.3	1.0	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72436
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	1.4	4.2	3.1	.1							9.4	9.3
NNE	.4	2.3	3.4	1.2	.2							7.5	8.0
NE	1.2	2.7	3.2	.8								7.8	6.9
ENE	1.3	2.6	2.4	.3	.1							6.7	6.1
E	1.7	2.7	1.2	.1								5.7	4.9
ESE	1.1	1.4	.6									3.1	4.4
SE	1.6	1.6	1.3	.4								4.9	5.7
SSE	1.5	3.5	2.2	1.4	.1							8.7	6.8
S	3.4	4.7	7.3	3.3								18.8	7.3
SSW	1.6	3.0	4.1	.5								9.2	6.5
SW	.9	2.4	1.6									4.8	5.5
WSW	.9	1.1	.5	.1								2.6	4.7
W	.1	.5	.3	.2	.1							1.4	7.2
WNW	.1	.4	.2									.8	4.9
NW	.4	.6	.3	.1								1.5	5.3
NNW	.2	.3	.8	.9	.1							2.3	9.9
VARBL													
CALM												4.7	
	17.0	31.4	33.7	12.5	.8							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

102536 STATION RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS OCT MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	3.1	3.9								9.5	9.5
NNE	.6	1.9	3.3	1.9								7.8	8.2
NE	2.0	1.8	1.9	.8								6.6	5.9
ENE	1.7	1.7	1.6	.1								5.2	5.3
E	1.2	2.8	2.0	.3								6.3	5.7
ESE	1.4	2.7	.5	.2								4.8	4.7
SE	1.7	4.0	2.7	.9								9.2	6.3
SSE	2.8	2.9	5.1	1.5	.3							12.6	7.3
S	2.5	4.7	7.5	2.9								17.6	7.3
SSW	1.6	1.7	1.6									4.9	5.1
SW	.9	1.3	.6									2.8	4.7
WSW	.6	.4	.1									1.2	3.9
W	.6	.2	.5	.2								1.6	6.0
WNW	.2	.1	.1	.1								.5	5.4
NW	.2	.4	.1									.8	4.7
NNW	.1	.3	.9	.1	.3							1.7	9.9
VARBL													
CALM												6.8	
	18.8	29.0	31.8	12.9	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

OCT
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.1	1.7	1.7								6.8	7.0
NNE	1.3	2.8	2.6	.9								7.5	6.4
NE	2.3	1.4	1.3	.3								5.3	5.1
ENE	2.3	1.1	.4									3.8	3.4
E	4.5	2.5	.5									7.5	3.4
ESE	3.9	1.5	1.1									6.5	3.8
SE	3.0	6.7	2.3	1.4								13.3	5.7
SSE	4.4	6.3	5.4	1.6								17.7	6.0
S	3.5	3.0	1.5	.1								8.2	4.4
SSW	1.2	.8										1.9	3.1
SW	.4											.4	1.5
WSW	.5	.1	.1									.8	3.0
W		.1										.1	5.0
WNW		.3	.1									.4	6.0
NW	.1	.1	.1									.3	5.3
NNW	.6	.5	.3	.1								1.6	5.3
VARBL													
CALM												16.7	
	29.5	30.3	17.4	6.1								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1925-36 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80
OCT MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	5.1	2.4	2.9	1.4	.3							12.0	6.0
NNE	.6	2.4	2.8	.8								6.6	7.0
NE	1.5	1.9	1.2	.5								5.2	5.8
ENE	1.2	.9	.1	.1								2.3	3.9
E	1.5	.9	.2	.1								2.7	3.7
ESE	.9	.9	.6									2.4	5.0
SE	1.7	3.3	3.0	.8								8.8	6.3
SSE	3.2	8.0	5.2	1.9								18.3	6.1
S	2.3	5.5	2.0	.4								10.2	5.3
SSW	1.3	.8										2.0	3.1
SW	.3	.1										.4	2.5
WSW	.2	.1										.3	3.3
W	.3	.2										.5	3.0
WWW	.1	.2	.1			.1						.5	8.8
NW	1.2	.6										1.8	3.4
NNW	4.2	3.3	.1	.2								7.8	3.6
VARBL													
CALM												18.1	
	25.6	31.4	18.3	6.2	.3	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

122536
STATION

PANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

OCT
MONTH
ALL
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	3.1	2.7	2.6	.1							12.5	6.6
NNE	1.1	2.2	3.0	1.2	.1							7.7	7.3
NE	1.5	1.8	2.1	.8								6.2	6.5
ENE	1.3	1.5	.9	.1	.0							3.8	5.0
E	1.8	1.8	.7	.1								4.3	4.3
ESE	1.3	1.2	.5	.0								3.1	4.3
SE	1.3	2.5	1.5	.7	.0							5.9	6.2
SSE	2.3	3.3	3.0	1.1	.1							9.8	6.3
S	2.8	4.5	4.4	1.4								13.1	6.4
SSW	1.5	1.5	1.2	.2								4.4	5.2
SW	1.0	1.1	.5									2.7	4.5
WSW	.7	.7	.3	.0								1.7	4.4
W	.5	.4	.2	.1	.0							1.1	4.6
WNW	.3	.2	.1	.0		.0						.7	4.4
NW	.7	.6	.1	.0								1.4	4.0
NNW	4.3	2.6	.4	.3	.1	.0						7.8	4.1
VARB													
CALM												13.8	
	26.4	29.2	21.6	8.6	.4	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702136
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	5.3	4.3	1.4	.4	.1						15.0	6.7
NNE	1.1	3.3	3.8	1.1	.3							9.7	7.4
NE	1.7	1.6	.6	.4								3.6	5.6
ENE	.7	.1										.8	2.6
E	.6	.7	.2									1.4	4.2
ESE	.7											.7	1.7
SE	1.0	.9	.7	.1								2.7	5.0
SSE	1.7	1.8	1.6	.1								5.1	5.3
S	2.7	3.3	3.1	.4								9.6	5.5
SSW	1.4	1.3	1.1	.3								4.2	5.4
SW	1.9	1.3	.1									3.3	3.4
WSW	.8	.8	.1									1.7	3.7
W	.8	.4	.1	.1								1.4	4.2
WNW	.7	.2	.1									1.0	3.3
NW	3.0	1.2	1.1									5.3	4.1
NNW	6.7	7.6	1.2	.3	.1							15.9	4.3
VARBL													
CALM												18.7	
	27.9	29.9	18.1	4.4	.9	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.4	3.7	2.6	.7	.1						14.7	7.5
NNE	1.6	4.0	3.4	1.3	.6							10.9	7.3
NE	.9	1.6	1.8	.7								4.9	6.9
ENE	.7	.6										1.2	3.5
E	.8	.3										1.1	2.9
ESE													
SE	1.1	.4	.3									1.9	3.6
SSE	1.3	.8	.9									3.0	5.0
S	1.4	2.9	2.3	.6								7.2	6.0
SSW	1.3	2.6	.3	.3								4.6	5.0
SW	1.1	1.2	.3	.2								2.9	4.8
WSW	1.2	1.1	.1									2.4	3.5
W	1.1	.6	.1									1.8	3.1
WNW	1.2	.6	.1									1.9	3.2
NW	2.4	1.7	.4									4.6	3.5
NNW	7.1	9.6	1.4	.4	.2							18.8	4.5
VARBL													
CALM												18.2	
	26.6	32.2	15.3	6.1	1.9	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

67
JUL 25 1969
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

772536 RANDOLPH AFB TX 69-70.73-60
STATION STATION NAME YEARS
ALL WEATHER
CLASS
6600-0800
HOURS (L.S.T.)
MONTH

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	6.2	3.7	4.1	.3							19.4	7.0
NNE	1.7	4.1	3.7	1.6	.1	.1						11.2	7.3
NE	1.6	2.1	1.8	.6								6.0	6.0
ENE	.7	.7	.2	.2								1.8	5.6
E	.3	.2										.6	2.8
ESE	.4	.6	.3									1.3	4.4
SE	1.0	.3										1.3	2.9
SSE	.7	1.1	.4									2.2	4.9
S	2.0	2.8	1.7	.3								6.8	5.4
SSW	.6	1.2	.7	.4								2.9	6.2
SW	1.0	1.7	.7									3.3	4.7
WSW	1.4	1.1	.3									2.9	4.0
W	1.3	1.7	.1									3.1	3.7
WNW	.6	.3										.9	3.0
NW	1.4	1.9	.8	.1	.1							4.3	5.3
NNW	6.8	8.2	1.1	.2								16.3	4.1
VARB													
CALM												15.6	
	26.0	34.8	15.4	7.6	.6	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10236 RANDOLPH AFB TX 69-70,73-80 ALL WEATHER 0900-1100
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	3.7	6.1	.8	.1						15.3	9.7
NNE	.7	1.3	4.3	3.7	.1							10.3	9.6
NE	1.4	3.1	2.8	1.3								6.7	7.0
ENE	.7	1.9	2.7	.3								4.9	6.5
E	1.3	1.6	1.3	.2								4.4	5.3
ESE	1.1	.4	.4									2.0	4.2
SE	.3	1.9	.7	.2								3.1	5.9
SSE	.4	1.1	.9	.4								3.2	6.4
S	2.1	3.3	4.9	2.7	.1							13.1	7.7
SSW	.9	3.3	3.9	1.2	.1							9.4	7.2
SW	.9	2.3	1.4	.7								5.2	6.6
WSW	1.4	1.3	.9									3.7	4.6
W	.6	1.2	.6	.1								2.4	5.5
WNW	.7	.4	.4	.1								1.7	5.9
NW	.1	.2	.6	.7	.1							2.0	9.2
NNW	.8	1.2	1.8	.8	.6							5.1	8.4
VARBL													
CALM												5.3	
	15.6	28.1	30.6	18.6	1.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722436
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	4.4	4.8	.9							12.3	10.7
NNE	.3	1.7	2.7	4.1	.2							8.3	10.4
NE	.3	1.8	2.7	1.4	.1							6.6	7.9
ENE	1.2	1.9	1.7	.1								4.9	5.5
E	1.6	2.7	1.3	.1								5.7	5.2
ESE	.9	2.2	.1	.1								3.3	4.6
SE	.9	1.8	.7	.2								3.6	5.3
SSE	.4	1.4	1.8	1.1								4.8	7.7
S	1.1	3.9	8.1	4.9	.1							18.1	8.8
SSW	.6	2.9	2.8	2.4	.1							8.8	8.4
SW	.6	1.7	2.9	.9								6.2	7.3
WSW	.7	1.6	1.2	.1								3.8	5.7
W	.6	1.7	.3	.2	.1							2.2	6.3
WNW	.1	.7	.4	.7	.1							2.0	8.8
NW	.4	.7	.3	.8	.2							2.4	9.0
NNW	.3	.6	1.2	1.3	.4							3.9	10.4
VARBL													
CALM												2.9	
	11.4	27.3	32.7	23.3	2.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

900

2
JUNIAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	5.8	4.4	.6							13.9	9.7
NNE	.8	1.6	2.7	2.3	.1							7.4	8.9
NE	1.0	1.9	1.9	1.0								5.8	7.1
ENE	1.0	1.6	1.0	.1								3.7	5.2
E	2.0	2.1	1.0	.1								5.2	4.6
ESE	1.6	1.7	.2									3.4	4.0
SE	1.0	2.3	1.6	.6								5.7	6.4
SSE	1.2	2.3	3.2	.7								7.4	6.7
S	1.7	4.3	8.7	3.6	.1							18.3	7.9
SSW	.9	3.6	2.0	1.1								7.6	6.7
SW	1.0	2.1	1.4	.4								5.0	6.2
WSW	.4	.3	.8	.2								2.2	6.2
W	.7	1.1	.2									2.0	4.3
WNW		.1	.4	.4		.2						1.2	11.8
NW	.8	.4	.7	.7	.1							2.7	8.1
NNW		1.1	2.2	1.0	.3							4.7	9.6
VARBL													
CALM												3.8	
	14.7	29.4	33.8	16.9	1.2	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536 STATION RANDOLPH AFB TX 69-70,73-80 YEARS NOV MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.3	3.7	3.8	.2							14.4	7.8
NNE	1.8	2.9	3.1	1.1								8.9	6.6
NE	1.6	2.3	1.3	.7								5.9	5.8
ENE	.8	.2	.1	.1								1.2	3.7
E	2.0	1.4	.2		.1							3.8	3.9
ESE	1.3	1.7	.2									3.2	4.0
SE	3.6	4.0	2.0	.3								9.9	4.9
SSE	2.3	5.0	3.3	.6								11.2	5.8
S	4.9	4.8	1.3	.7								11.7	4.5
SSW	1.3	2.0	.3									3.7	4.1
SW	.9	1.4										2.3	3.6
WSW	.7	.2										.9	2.8
W	1.0	.3										1.3	2.6
WNW	.4	.1	.1									.7	3.8
NW	.3	.6	.4									1.3	4.9
NNW	1.7	2.1	1.1	.4								5.3	5.5
VARB													
CALM												14.2	
	27.0	33.4	17.3	7.7	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	5.2	3.6	2.9	.1	.1						14.1	7.4
NNE	1.3	3.3	2.9	1.4	.1							9.1	7.2
NE	.8	2.0	1.1	.4								4.3	6.0
ENE	.8	.6	.1									1.4	4.0
E	.3	.7	.1									1.1	4.1
ESE	.6	.8	.1									1.4	3.8
SE	1.7	2.6	1.0	.1								5.3	4.8
SSE	2.0	5.4	3.0	.3								10.8	5.5
S	3.9	6.1	3.1	.8								13.8	5.3
SSW	1.0	1.3	.3									2.7	4.5
SW	.9	.2	.1									1.2	2.9
WSW	.2	.6	.1									.9	4.9
W	.8	.3	.1									1.2	3.8
WNW	.4	.4										.9	3.0
NW	1.9	1.1	.6									3.4	4.1
NNW	5.6	5.0	.3	.6	.1							11.6	4.1
VARBL													
CALM												16.7	
	24.1	35.7	16.6	6.6	.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722036 STATION RANDOLPH AFB TX 69-70,73-80 YEARS NOV MONTH
ALL CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.2	4.1	3.8	.5	.1						14.9	8.2
NNE	1.2	2.7	3.3	2.1	.2	.0						9.5	8.0
NE	1.1	2.0	1.7	.8	.0							5.7	6.6
ENE	.8	.9	.6	.1								2.5	5.3
E	1.1	1.2	.5	.1	.0							2.9	4.6
ESE	.9	.9	.2	.0								1.9	4.1
SE	1.3	1.8	.9	.2								4.2	5.1
SSE	1.3	2.4	1.9	.4								6.0	6.0
S	2.5	3.9	4.2	1.7	.0							12.3	6.8
SSW	1.0	2.3	1.4	.7	.0							5.5	6.5
SW	1.0	1.5	.9	.3								3.7	5.5
WSW	.9	.9	.4	.0								2.3	4.6
W	.8	.8	.2	.1	.0							1.9	4.3
WNW	.5	.4	.2	.2	.0	.0						1.3	5.8
NW	1.3	1.0	.6	.3	.1							3.3	5.5
NNW	3.6	4.4	1.3	.6	.2							10.2	5.2
VARBL													
CALM												11.9	
	21.7	31.4	22.5	11.4	1.1	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7200

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.6	4.4	2.5	.5							14.4	7.5
NNE	1.4	1.6	2.2	1.3	.2							6.7	7.9
NE	.5	.9	.9	.5								2.8	7.0
ENE	.3	.3	.6									1.7	5.1
E	1.5	.5	.3									2.4	3.6
ESE	.1	.1	.1									.3	6.0
SE	.9	.1	.3									1.2	3.8
SSE	1.1	1.0	1.6	.2								3.9	5.8
S	1.5	3.7	2.8	1.3								8.6	6.8
SSW	1.5	2.3	1.4	.5								6.0	5.6
SW	2.0	2.2	.2									4.4	3.7
WSW	1.6	1.4	.4									3.4	4.1
W	1.5	1.3	.3									3.1	4.0
WNW	.6	.3	.4	.1	.1							1.6	6.0
NW	1.7	1.1	.5	.1	.1							3.5	4.8
NNW	4.2	9.0	2.0	.4								15.7	4.6
VARIABLE													
CALM												20.2	
	23.1	30.1	18.6	7.0	1.0							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702538 RANDOLPH AFB TX

69-70,73-P0

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	6.2	5.5	2.3								17.4	6.6
NNE	.9	1.6	1.5	1.9	.3							6.2	6.4
NE	.9	1.9	.8	.1								3.7	5.6
ENE	.3	1.0	.2	.2								1.7	5.8
E	.4	.5	.2	.1								1.3	5.0
ESE	.2		.1									.3	3.7
SE	.5	.2	.3									1.1	4.9
SSE	.8	1.4	.4	.1								2.7	5.2
S	.6	3.1	1.2	.2	.1							5.3	6.1
SSW	1.0	2.2	1.3	.8								5.2	6.2
SW	2.4	2.4	.6	.1								5.5	4.1
WSW	1.4	1.2	.3									2.9	4.1
W	1.9	1.2	.5	.1								3.7	4.2
WNW	.8	.3	.4			.1						1.6	5.7
NW	1.9	1.2	1.0	.1								4.1	4.7
NNW	7.2	6.6	2.2	.4	.1							16.5	4.4
VARBL													
CALM												21.0	
	24.6	30.8	16.6	6.5	.5	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS DEC MONTH 3600-0800 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	7.5	5.2	3.4	.4							21.5	6.8
NNE	1.2	1.6	2.5	1.5	.4	.1						7.3	8.3
NE	.8	1.8	.6	.4								3.7	5.8
ENE	.6	1.1	.3									2.0	4.7
E	.6		.6									1.3	4.8
ESE	.5											.5	2.4
SE	.4	.3	.6	.1								1.5	5.8
SSE	1.0	1.5	.4									2.9	4.7
S	1.3	2.0	1.0	.1	.1							4.5	5.2
SSW	1.7	1.1	.9	.1								3.8	4.6
SW	1.8	2.5	.5									4.8	4.2
WSW	1.9	1.2	.4									3.5	3.6
W	1.1	.9	1.1	.1								3.1	5.2
WNW	.5	.2	.3									1.1	4.5
NW	2.2	1.2	.6	.2								4.2	4.6
NNW	7.2	7.0	1.5	.8	.1							16.6	4.5
VABL													
CALM												17.6	
	27.8	29.9	16.7	6.8	1.1	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722536 RANDOLPH AFB TX 69-70, 73-80 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	4.9	5.4	1.3	.8						10.5	9.5
NNE	1.4	1.9	3.3	1.9	.2	.1						8.9	8.3
NE	.8	2.0	3.4	1.7	.1							8.1	8.0
ENE	1.7	1.3	1.2	.3								4.5	5.3
E	1.7	2.0	.8	.1								4.6	4.5
ESE	.9	.3	.1									1.3	3.3
SE	.5	1.4	.6	.1								2.7	5.4
SSE	.6	1.3	.8	.3								3.0	6.4
S	1.6	2.8	2.9	1.3								8.6	6.6
SSW	1.2	1.9	2.7	1.3	.1							7.2	7.7
SW	1.2	2.7	2.5	.8								7.1	6.4
WSW	1.5	2.1	1.1	.3								4.9	5.3
W	1.7	1.0	.9	.1								3.7	4.9
WNW	.3	.3	.6	.1								1.4	6.5
NW	.4	.9	.6	.3	.1							2.4	7.2
NNW	1.5	1.1	1.5	1.2	.1							5.4	7.3
VARIABLE													
CALM												7.7	
	20.4	25.8	28.0	15.3	1.9	.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

DEC
MONTH

ALL WEATHER

CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	4.2	4.5	1.6	.1						14.2	10.4
NNE	.8	1.9	3.3	2.2	.1							8.3	8.6
NE	1.3	1.5	2.3	.6								5.7	6.9
ENE	.9	1.6	1.8	.3								4.6	6.3
E	1.8	1.2	.9									3.9	4.2
ESE	.4	.4	.4	.1								1.4	5.5
SE	.5	.4	.6									1.6	5.4
SSE	1.2	1.3	1.5	.5								4.5	6.3
S	1.5	4.1	4.9	3.5	.1							14.2	8.0
SSW	.5	2.6	5.1	2.0								10.2	8.3
SW	1.6	2.0	3.4	1.1								8.2	7.1
WSW	.3	1.8	2.0	.4								4.6	7.0
W	1.3	1.7	1.7	.9	.1							5.7	6.8
WNW	.2	.3	.4	.9								1.8	8.6
NW	.1	.4	.9	.5	.2	.1						2.3	10.3
NNW	.2	1.3	1.8	1.3	.3	.1						5.1	9.4
VARBL													
CALM												3.8	
	13.7	25.5	35.4	18.9	2.5	.3						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

002436 RANDOLPH AFB TX 69-70,73-80 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.4	4.9	6.0	.6							16.1	9.6
NNE	.4	1.8	2.2	1.9	.1	.1						6.6	9.0
NE	1.3	2.4	1.3	.5								5.5	5.8
ENE	.9	1.4	.9	.5	.1							3.8	6.5
E	2.4	1.7	.3									4.4	3.7
ESE	.6	1.1	.3									2.0	4.3
SE	1.0	1.6	.8	.2								3.5	5.1
SSE	1.5	.9	1.7	1.6	.2							5.9	8.1
S	2.2	6.7	7.5	2.5								18.8	7.2
SSW	.9	4.1	3.1	.8								8.8	6.6
SW	.9	2.8	2.6	.2								6.5	6.4
WSW	.6	1.5	1.4	.2								3.8	6.3
W	.2	1.0	.4	.2								1.8	6.4
WNW	.4	.1	.4	.1								1.1	6.2
NW	.1	.3	.6	1.0	.1							2.2	10.0
NNW	.4	1.2	1.4	1.1	.4							4.5	8.6
VARB													
CALM												4.7	
	14.8	31.9	29.9	16.9	1.6	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

DEC
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.0	4.4	3.0	.3							14.1	7.6
NNE	1.0	2.3	2.2	2.0	.2							7.7	8.1
NE	1.1	1.4	1.1	.5								4.1	6.2
ENE	1.6	.8	.5	.1								3.0	4.1
E	2.4	1.2	.2									3.8	3.2
ESE	1.0	1.2										2.2	3.7
SE	1.1	1.0	1.5	.5								5.1	6.2
SSE	1.2	3.5	2.7	.6								8.6	6.3
S	4.6	6.0	.8	.1								11.5	4.1
SSW	3.1	3.0	.3									6.5	3.5
SW	1.7	2.0										3.8	3.6
WSW	1.4	.6										2.0	2.9
W	1.3	.2	.1									1.6	2.7
WNW	.2	.2	.1									.5	5.0
NW	.6	.6	.6	.1	.2							2.3	6.9
NNW	2.0	1.0	.6	.6	.1							5.4	5.3
VARBL													
CALM												17.8	
	27.4	31.0	15.2	7.8	.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 927

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

772536 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS DEC MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.0	4.0	3.5	2.7	.4							14.4	7.1
NNE	1.3	1.9	2.3	1.6								7.0	7.9
NE	1.1	2.4	1.2	.4	.1	.1						5.3	6.6
ENE	.9	1.7	.3	.1								2.3	4.9
E	.6	.9	.2									1.7	3.8
ESE	.4	.9										1.2	3.5
SE	1.2	.9	1.2	.1								3.3	5.6
SSE	1.9	2.5	2.5	.4								7.2	6.1
S	1.9	3.8	3.3	.9								9.9	6.3
SSW	1.7	2.1	.1									3.9	3.8
SW	1.5	1.7	.3	.1								3.7	4.2
WSW	1.2	1.2	.1									2.5	3.7
W	1.3	.9	.8									2.9	4.5
WNW	.5	.2	.8	.1								1.6	5.9
NW	.9	.5	.3		.1							1.8	4.7
NNW	5.0	4.3	.5	.4	.1							10.4	4.3
VARIABLE													
CALM												20.8	
	25.2	28.8	17.4	6.9	.8	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 926

2
JUNIOR CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536 RANDOLPH AFB TX 69-70, 73-80 DEC
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.4	4.6	3.7	.7	.1						16.3	8.1
NNE	1.7	1.8	2.4	1.8	.2	.0						7.3	8.3
NE	1.0	1.6	1.4	.6	.0	.0						4.8	6.7
ENE	.9	1.1	.7	.2	.0							3.0	5.5
E	1.4	1.7	.4	.0								2.9	4.0
ESE	.5	.5	.1	.0								1.2	4.0
SE	.8	.9	.9	.1								2.5	5.5
SSE	1.2	1.7	1.5	.5	.0							4.3	6.3
S	1.9	3.9	3.1	1.2	.0							10.2	6.5
SSW	1.5	2.4	1.9	.7	.0							6.4	6.2
SW	1.6	2.3	1.3	.3								5.5	5.3
WSW	1.3	1.4	.7	.1								3.5	4.0
W	1.3	1.0	.7	.2	.0							3.2	5.1
WNW	.5	.3	.4	.2	.0	.0						1.3	6.3
NW	1.0	.8	.7	.3	.1	.0						2.6	6.3
NNW	3.5	4.0	1.5	.8	.2	.0						9.9	5.3
VARBL													
CALM												14.2	
	22.1	29.2	22.2	10.7	1.3	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 7433

2

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-73, 73-81
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.9	2.5	2.2	.4	.1		.0				15.1	7.8
NNE	1.0	1.5	2.2	1.6	.1	.0						6.7	8.0
NE	1.1	1.5	1.7	.8	.0	.0						5.4	6.8
ENE	1.0	1.5	1.0	.2	.0	.0						3.8	5.6
E	1.5	2.0	1.0	.1	.0							4.6	5.0
ESE	1.1	1.6	.9	.2	.0	.0						3.8	5.3
SE	1.5	3.2	2.8	.9	.0	.0						6.5	6.5
SSE	1.6	4.0	4.4	1.6	.1	.0	.0					11.7	7.1
S	2.0	4.9	5.0	1.7	.1	.0						13.7	6.9
SSW	1.1	2.3	1.4	.4	.0	.0						4.9	5.9
SW	1.0	1.4	.7	.1	.0							3.2	5.1
WSW	.7	.8	.4	.1	.0	.0						2.0	5.0
W	.6	.6	.3	.1	.0	.0	.0					1.7	5.4
WNW	.3	.2	.2	.1	.0	.0						.8	6.5
NW	.5	.5	.3	.2	.1	.0	.0					1.6	6.4
NNW	2.1	2.4	.8	.5	.2	.0	.0					6.0	5.5
VARBL													
CALM												11.6	
	12.3	31.6	25.5	10.8	1.0	.2	.0	.0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 67631

2

1

1

ALL

MONTH

ALL

HOURS (L.S.T.)

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

1

14595

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0
NO CEILING	42.2	43.7	44.1	44.4	44.7	44.7	44.7	44.7	44.8	44.9	45.1	45.1	45.1	45.1	45.1
≥ 20000	43.5	45.3	45.7	46.0	46.5	46.5	46.5	46.5	46.6	46.8	46.9	46.9	46.9	46.9	46.9
≥ 18000	43.7	45.4	45.8	46.1	46.6	46.6	46.6	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0
≥ 16000	44.2	45.9	46.3	46.7	47.1	47.1	47.1	47.1	47.2	47.4	47.5	47.5	47.5	47.5	47.5
≥ 14000	45.6	47.6	48.1	48.4	48.8	48.8	48.8	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2
≥ 12000	45.8	47.8	48.3	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.5	49.5	49.5	49.5	49.5
≥ 10000	46.9	49.1	49.6	49.9	50.3	50.3	50.3	50.3	50.4	50.6	50.8	50.8	50.8	50.8	50.8
≥ 9000	47.0	49.2	49.7	50.0	50.4	50.4	50.4	50.4	50.5	50.8	50.9	50.9	50.9	50.9	50.9
≥ 8000	47.7	50.1	50.5	50.9	51.3	51.3	51.3	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.7
≥ 7000	48.5	50.9	51.3	51.6	52.0	52.0	52.0	52.0	52.2	52.4	52.5	52.5	52.5	52.5	52.5
≥ 6000	48.9	51.3	51.7	52.0	52.5	52.5	52.5	52.5	52.6	52.8	52.9	52.9	52.9	52.9	52.9
≥ 5000	49.6	52.8	53.2	53.5	54.0	54.0	54.0	54.0	54.1	54.3	54.4	54.4	54.4	54.4	54.4
≥ 4500	51.1	55.3	55.7	56.0	56.5	56.5	56.5	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9
≥ 4000	52.0	56.6	57.0	57.3	57.7	57.7	57.7	57.7	57.8	58.1	58.2	58.2	58.2	58.2	58.2
≥ 3500	53.4	58.1	58.5	58.8	59.2	59.2	59.2	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7
≥ 3000	54.7	59.5	59.9	60.2	60.6	60.6	60.6	60.6	60.8	61.0	61.1	61.1	61.1	61.1	61.1
≥ 2500	55.8	62.0	62.5	62.8	63.3	63.3	63.3	63.3	63.4	63.7	63.8	63.8	63.8	63.8	63.8
≥ 2000	56.9	63.8	64.2	64.6	65.3	65.3	65.3	65.3	65.4	65.6	65.7	65.7	65.7	65.7	65.7
≥ 1800	57.8	65.2	65.6	66.0	66.7	66.7	66.7	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.1
≥ 1600	59.5	68.4	68.9	69.4	70.0	70.1	70.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5
≥ 1200	60.8	71.4	72.3	72.8	73.7	73.8	73.8	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2
≥ 1000	61.2	73.3	74.4	75.1	76.1	76.2	76.2	76.2	76.5	76.7	76.9	76.9	76.9	76.9	76.9
≥ 900	61.7	75.1	76.2	76.9	78.2	78.3	78.3	78.3	78.5	78.7	78.9	78.9	78.9	78.9	78.9
≥ 800	62.0	76.3	77.7	78.4	79.8	79.9	80.1	80.1	80.3	80.5	80.8	80.8	80.8	80.8	80.8
≥ 700	62.0	76.7	78.4	79.1	81.1	81.2	81.5	81.6	81.8	82.0	82.3	82.3	82.3	82.3	82.3
≥ 600	62.2	77.3	79.0	80.2	82.4	82.5	83.3	83.4	83.7	83.9	84.1	84.1	84.1	84.1	84.1
≥ 500	62.2	78.5	80.5	82.2	84.5	84.7	85.7	85.9	86.1	86.3	86.7	86.7	86.7	86.7	86.7
≥ 400	62.2	78.8	81.4	83.8	86.5	86.8	88.0	88.6	88.9	89.2	89.6	89.6	89.7	89.7	89.7
≥ 300	62.2	78.9	81.5	84.3	87.3	87.8	89.4	90.4	90.8	91.3	91.7	91.7	92.0	92.0	92.4
≥ 200	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.5	92.0	92.8	94.0	94.0	94.9	94.9	95.3
≥ 100	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.6	92.2	93.1	94.3	94.3	95.7	95.9	96.9
≥ 0	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.6	92.2	93.1	94.3	94.3	95.7	96.0	97.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	41.9	42.4	43.0	43.2	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.8
≥ 20000	41.4	43.7	44.1	44.8	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.6	45.6
≥ 18000	41.6	44.0	44.4	45.2	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9
≥ 16000	41.6	44.0	44.4	45.2	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9
≥ 14000	42.6	45.3	45.8	46.6	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.4	47.4	47.4
≥ 12000	42.9	45.6	46.1	46.9	47.1	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.7	47.7
≥ 10000	43.3	46.6	47.2	48.0	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0
≥ 9000	43.4	46.7	47.3	48.1	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.1	49.1
≥ 8000	43.8	47.0	47.6	48.4	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.5
≥ 7000	44.4	47.6	48.3	49.0	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1
≥ 6000	45.3	48.5	49.1	49.9	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0
≥ 5000	46.0	49.4	50.0	50.8	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	51.8
≥ 4500	47.0	50.5	51.5	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3
≥ 4000	47.7	51.4	52.4	53.1	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.2	54.2
≥ 3500	48.9	53.0	54.0	54.7	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8
≥ 3000	50.5	55.3	56.2	57.0	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.1	58.1	58.1
≥ 2500	51.5	57.6	58.6	59.4	59.8	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4
≥ 2000	52.2	58.7	59.7	60.4	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5
≥ 1800	52.8	59.9	61.0	61.7	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8
≥ 1500	53.7	62.0	63.2	64.1	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5
≥ 1200	55.3	64.9	66.3	67.3	68.0	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8
≥ 1000	56.7	68.2	69.6	70.6	71.3	71.5	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.3	72.3	72.3
≥ 900	57.4	70.1	71.6	72.8	73.4	73.7	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.4	74.4	74.4
≥ 800	57.5	71.0	73.1	74.4	75.1	75.4	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.1	76.1	76.1
≥ 700	57.5	72.3	74.6	76.1	77.0	77.3	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.3	78.3	78.3
≥ 600	57.8	73.5	76.3	77.8	79.2	79.6	80.6	80.8	80.8	80.8	80.9	80.9	80.9	81.1	81.1	81.1
≥ 500	58.0	74.7	78.0	80.0	82.2	82.5	83.8	83.9	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.4
≥ 400	58.0	75.3	78.9	81.5	83.9	84.3	86.2	86.9	86.9	87.0	87.2	87.2	87.2	87.6	87.6	88.0
≥ 300	58.0	75.6	79.4	81.9	84.3	84.7	86.8	87.8	88.0	88.2	88.5	88.7	89.1	89.1	89.4	89.8
≥ 200	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.6	88.9	89.2	89.8	89.8	90.2	91.6	91.8	92.9
≥ 100	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.8	89.2	89.8	90.6	91.1	92.7	93.2	94.8	97.5
≥ 0	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.8	89.2	89.8	90.6	91.1	92.7	93.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	34.3 36.5	36.5 38.8	37.0 39.7	37.6 40.3	38.2 41.0	38.3 41.1	38.5 41.3	38.5 41.3	38.5 41.3	38.6 41.4	38.7 41.5	38.7 41.5	38.8 41.6	38.8 41.6	38.8 41.6	38.9 41.8
≥ 18000 IV 16000	36.6 36.8	38.9 39.1	39.8 40.0	40.4 40.6	41.1 41.3	41.2 41.4	41.4 41.6	41.4 41.6	41.4 41.6	41.5 41.7	41.6 41.8	41.6 41.8	41.7 41.9	41.7 41.9	41.7 41.9	41.9 42.2
IV 14000 IV 12000	37.8 39.2	40.2 41.7	41.1 42.6	41.7 43.2	42.4 43.9	42.5 44.0	42.7 44.2	42.7 44.2	42.7 44.2	42.9 44.4	43.1 44.6	43.1 44.6	43.2 44.7	43.2 44.7	43.2 44.7	43.4 44.9
IV 10000 IV 9000	40.1 40.4	43.1 43.7	44.1 44.6	44.7 45.3	45.4 45.9	45.5 46.0	45.7 46.2	45.7 46.2	45.7 46.2	45.9 46.5	46.1 46.7	46.1 46.7	46.2 46.8	46.2 46.8	46.2 46.8	46.5 47.0
IV 8000 IV 7000	40.4 40.8	43.9 44.2	44.8 45.2	45.5 45.8	46.1 46.5	46.2 46.6	46.5 46.8	46.5 46.8	46.5 46.8	46.7 47.0	46.9 47.2	46.9 47.2	47.0 47.3	47.0 47.3	47.0 47.3	47.2 47.5
IV 6000 IV 5000	41.4 42.6	45.1 46.6	46.1 47.6	46.8 48.3	47.4 48.9	47.5 49.0	47.7 49.2	47.7 49.2	47.7 49.2	48.0 49.5	48.2 49.7	48.2 49.7	48.3 49.8	48.3 49.8	48.4 49.9	48.6 50.1
IV 4500 IV 4000	43.3 43.7	47.7 48.2	48.9 49.4	49.6 50.0	50.2 50.6	50.3 50.8	50.5 51.0	50.5 51.0	50.5 51.0	50.8 51.2	51.0 51.4	51.0 51.4	51.1 51.5	51.1 51.5	51.2 51.6	51.4 51.8
IV 3500 IV 3000	44.7 46.2	50.4 52.4	51.6 53.5	52.3 54.2	52.9 54.8	53.0 54.9	53.2 55.2	53.2 55.2	53.2 55.2	53.4 55.4	53.7 55.6	53.7 55.6	53.8 55.7	53.8 55.7	53.9 55.8	54.1 56.0
IV 2500 IV 2000	47.6 49.8	54.6 58.7	55.9 60.2	56.7 61.2	57.3 61.8	57.4 61.9	57.6 62.2	57.6 62.2	57.6 62.2	57.8 62.4	58.1 62.6	58.1 62.6	58.2 62.7	58.2 62.7	58.3 62.8	58.5 63.0
IV 1800 IV 1500	50.1 51.2	59.2 61.8	60.9 63.8	61.8 64.8	62.6 65.8	62.7 65.9	62.9 66.1	62.9 66.1	62.9 66.1	63.1 66.3	63.3 66.6	63.3 66.6	63.4 66.7	63.4 66.7	63.5 66.8	63.8 67.0
IV 1200 IV 1000	52.4 52.9	64.7 66.0	67.1 68.6	68.3 69.9	69.5 71.2	69.6 71.4	69.8 71.6	69.8 71.6	69.8 71.6	70.0 71.8	70.2 72.0	70.2 72.0	70.3 72.2	70.3 72.2	70.4 72.3	70.6 72.5
IV 900 IV 800	53.2 53.5	69.1 70.1	71.7 73.0	73.0 74.3	74.4 75.8	74.6 76.2	74.8 76.5	74.8 76.5	74.8 76.5	75.1 76.7	75.3 76.9	75.3 76.9	75.4 77.0	75.4 77.0	75.5 77.1	75.7 77.3
IV 700 IV 600	53.5 53.8	70.9 71.9	74.0 75.6	75.6 77.2	77.2 79.4	77.6 79.8	78.0 80.2	78.0 80.3	78.1 80.4	78.3 80.6	78.5 80.9	78.5 80.9	78.6 81.1	78.6 81.1	78.8 81.3	79.0 81.5
IV 500 IV 400	54.0 54.0	72.5 72.9	76.2 76.8	78.2 79.2	80.9 82.3	81.4 83.0	82.6 84.6	83.0 85.4	83.2 85.7	83.4 86.1	83.7 86.3	83.7 86.3	83.9 86.6	83.9 86.6	84.2 87.1	84.4 87.4
IV 300 IV 200	54.0 54.0	72.9 72.9	76.8 76.8	79.4 79.4	82.4 82.4	83.1 83.1	85.2 85.2	86.2 86.9	86.7 87.5	87.5 88.7	88.1 89.7	88.1 89.8	88.6 90.8	88.7 91.2	89.4 92.3	90.1 94.0
IV 100 IV 0	54.0 54.0	72.9 72.9	76.8 76.8	79.5 79.5	82.5 82.5	83.2 83.2	85.4 85.4	87.1 87.1	87.7 87.7	89.0 89.0	90.1 90.1	90.2 90.2	91.6 91.6	92.6 92.7	94.3 94.4	97.3 100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.6	38.6	39.1	39.1	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	40.3	43.8	44.6	44.6	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 18000	40.5	44.0	44.8	44.8	44.8	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	40.6	44.1	44.9	44.9	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 14000	41.2	44.7	45.6	45.6	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 12000	41.9	45.4	46.2	46.2	46.2	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 10000	43.2	47.0	47.8	47.8	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3
IV 9000	44.0	47.7	48.6	48.6	48.6	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0
IV 8000	44.3	48.2	49.0	49.0	49.0	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5
IV 7000	44.6	48.6	49.5	49.5	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9
IV 6000	45.4	49.5	50.4	50.4	50.4	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9
IV 5000	46.6	51.6	52.6	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
IV 4500	47.6	52.7	53.7	53.7	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
IV 4000	48.2	53.4	54.6	54.6	54.6	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1
IV 3500	48.7	54.5	55.8	55.8	55.8	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
IV 3000	50.0	56.1	57.4	57.4	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
IV 2500	52.5	59.2	60.6	60.6	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
IV 2000	54.1	62.2	63.8	63.9	64.1	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
IV 1800	54.8	63.5	65.3	65.4	65.6	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
IV 1500	55.6	65.2	67.0	67.3	67.5	67.7	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 1200	57.3	68.6	70.6	71.1	71.3	71.6	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
IV 1000	58.4	71.0	73.4	74.0	74.3	74.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4
IV 900	58.6	71.9	74.5	75.2	75.6	76.0	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8
IV 800	59.1	73.3	76.5	77.4	78.5	78.9	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8
IV 700	59.4	74.1	77.4	78.5	79.9	80.4	80.9	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7
IV 600	59.4	74.6	78.5	79.7	81.4	81.9	82.7	83.3	83.4	83.8	84.0	84.0	84.0	84.0	84.1	84.1
IV 500	59.4	74.8	79.1	80.4	82.7	83.4	84.7	85.9	86.0	86.6	86.9	87.0	87.0	87.0	87.1	87.1
IV 400	59.4	75.3	79.9	81.2	83.5	84.3	85.9	87.7	88.1	89.0	89.7	89.8	89.8	90.0	90.1	90.1
IV 300	59.4	75.3	80.0	81.5	84.0	84.7	86.6	88.8	89.5	91.6	93.7	93.8	94.2	94.6	94.8	95.4
IV 200	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.5	94.9	95.1	96.0	96.8	97.1	98.5
IV 100	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.6	95.1	95.2	96.2	97.0	97.6	99.6
IV 0	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.6	95.1	95.2	96.2	97.0	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.9	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 16000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 14000	47.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 12000	48.2	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	49.6	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 9000	49.9	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	50.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 7000	50.9	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	51.4	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 5000	52.9	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 4500	54.4	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4000	55.2	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 3500	57.0	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	59.0	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2500	61.7	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2000	65.3	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	65.9	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1500	68.2	76.0	76.7	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	70.1	79.7	80.8	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	70.9	81.6	82.8	83.7	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	71.0	82.8	84.1	84.9	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 800	71.4	83.5	84.9	85.9	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	71.5	84.0	85.8	87.1	88.3	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 600	71.7	84.6	86.7	88.0	89.2	89.4	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 500	71.7	84.9	87.3	88.7	90.3	90.9	92.4	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	71.7	85.1	87.4	88.8	90.6	91.4	93.3	94.6	94.9	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 300	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.4	98.0	98.0	98.1	98.1	98.2	98.2
IV 200	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.4	99.8
≥ 100	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	99.9
IV 0	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.E.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	54.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	54.6	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	54.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	54.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	55.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	57.0	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 9000	57.1	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 8000	58.2	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	58.7	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 6000	58.8	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 5000	61.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	61.6	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	62.5	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 3500	65.1	69.2	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 3000	66.9	71.5	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2500	69.2	75.2	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2000	71.4	78.0	78.0	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1800	72.6	79.7	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1500	74.2	82.2	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1200	75.5	84.5	84.6	85.3	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1000	75.6	85.7	86.1	87.0	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 900	75.7	86.1	86.7	87.6	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 800	75.7	86.3	86.9	87.8	88.8	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 700	75.9	87.0	87.5	88.5	89.6	89.8	90.0	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 600	76.1	87.6	88.2	89.5	91.1	91.3	91.6	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 500	76.1	87.8	88.5	90.1	92.3	92.6	93.0	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 400	76.1	88.0	88.6	90.2	92.7	93.0	93.4	95.1	95.3	95.9	96.2	96.2	96.2	96.2	96.2	96.2
IV 300	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.8	97.1	98.3	98.5	98.5	98.6	98.7	98.7
IV 200	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.9	97.3	98.6	98.8	99.2	99.4	99.7	99.8
IV 100	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.9	97.3	98.6	98.8	99.2	99.4	99.7	99.8
IV 0	76.2	88.1	88.7	90.3	92.9	93.2	93.7	95.5	96.0	97.4	98.7	98.9	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	49.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	54.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	55.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	55.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	56.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	57.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000	57.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	57.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	58.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	59.4	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	59.6	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000	60.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4500	62.3	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	63.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	64.6	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3000	66.0	71.3	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2500	68.4	74.7	74.9	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	70.1	77.8	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	71.0	79.0	79.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	72.4	81.7	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	72.6	82.8	83.1	83.5	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	72.8	83.5	83.9	84.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 900	72.8	84.0	84.4	85.2	86.3	86.3	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	72.8	84.0	84.4	85.5	87.0	87.0	87.3	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 700	72.8	84.1	84.6	85.7	87.2	87.4	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 600	72.8	84.8	85.6	87.2	89.2	89.7	90.2	90.4	90.5	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	72.8	85.5	86.5	88.2	90.6	91.1	91.8	92.4	92.6	92.9	93.1	93.1	93.2	93.2	93.2	93.2
≥ 400	72.8	85.5	86.7	88.4	91.1	91.8	92.8	93.4	94.0	94.7	95.3	95.3	95.4	95.4	95.4	95.4
≥ 300	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.8	96.1	97.0	97.0	97.4	97.4	97.4	97.4
≥ 200	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.3	97.3	98.7	98.7	98.7	98.9
≥ 100	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.4	97.4	98.9	99.0	99.5	100.0
≥ 0	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.4	97.4	98.9	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.8	48.8	49.2	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.7	49.8
≥ 20000	49.5	51.7	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.6	52.7
≥ 18000	50.0	52.5	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.3	53.4
≥ 16000	50.1	52.6	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.4	53.5
≥ 14000	50.8	53.2	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.1	54.2
≥ 12000	51.0	53.4	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.3	54.4
≥ 10000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6
≥ 9000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6
≥ 8000	52.3	55.3	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.2	56.3
≥ 7000	52.6	55.8	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.6	56.6	56.8	56.9
≥ 6000	52.9	56.3	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.3	57.4
≥ 5000	54.3	58.3	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.2	59.4
≥ 4500	56.3	61.0	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8	62.0	62.2
≥ 4000	56.9	61.9	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.0	63.1
≥ 3500	58.2	63.9	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.9	65.1
≥ 3000	59.8	65.6	66.0	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.9	67.0
≥ 2500	62.2	69.1	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.5	70.6
≥ 2000	63.8	71.8	72.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.2	73.3
≥ 1800	64.9	73.1	73.5	73.7	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.6	74.7
≥ 1500	65.8	75.3	75.7	75.8	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.8	76.9
≥ 1200	67.0	77.6	78.1	78.4	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.7	79.8
≥ 1000	67.1	79.0	79.7	80.1	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.5	81.6
≥ 900	67.3	80.5	81.2	81.9	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8	84.0	84.1
≥ 800	67.4	81.5	82.2	83.0	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.3	85.4
≥ 700	67.4	81.6	82.5	83.4	85.1	85.3	85.8	85.8	85.8	85.8	85.8	85.9	86.1	86.1	86.3	86.5
≥ 600	67.4	82.2	83.0	84.2	86.2	86.8	87.6	87.7	87.7	87.7	87.7	87.8	88.2	88.2	88.4	88.5
≥ 500	67.4	82.8	83.9	85.2	87.7	88.6	89.6	89.8	89.8	89.8	89.8	89.9	90.2	90.2	90.4	90.5
≥ 400	67.4	83.0	84.6	86.1	88.8	90.2	91.4	92.2	92.2	92.3	92.3	92.4	92.7	92.7	92.9	93.0
≥ 300	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.6	92.9	93.2	93.7	94.8	94.9	96.7	96.8	97.6
≥ 200	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.4	94.2	95.4	95.5	97.4	97.6	98.4	99.5
≥ 100	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.4	94.2	95.4	95.5	97.4	97.6	98.4	99.5
≥ 0	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.4	94.2	95.4	95.5	97.4	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	42.1	44.2	44.6	44.8	44.9	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.2
≥ 20000	45.9	48.3	48.8	49.0	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5
≥ 18000	46.1	48.6	49.0	49.3	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.8
IV 16000	46.3	48.8	49.2	49.4	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	49.9
≥ 14000	47.0	49.7	50.1	50.3	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8
IV 12000	47.7	50.3	50.8	51.0	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5
≥ 10000	48.7	51.7	52.2	52.4	52.6	52.6	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.0
IV 9000	48.9	52.0	52.5	52.7	52.9	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3
≥ 8000	49.5	52.7	53.1	53.4	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0
IV 7000	50.0	53.2	53.7	53.9	54.1	54.2	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.5
≥ 6000	50.5	53.8	54.3	54.5	54.7	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.1	55.1	55.1	55.1
IV 5000	51.7	55.6	56.1	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
≥ 4500	53.0	57.2	57.7	58.0	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.6	58.6
IV 4000	53.7	58.1	58.7	59.0	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.6
≥ 3500	55.1	60.0	60.6	60.9	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.6
IV 3000	56.7	61.9	62.5	62.8	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5
≥ 2500	58.6	65.0	65.6	65.9	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7
IV 2000	60.4	67.9	68.6	68.9	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7
≥ 1800	61.3	69.0	69.8	70.1	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
IV 1500	62.6	71.6	72.4	72.8	73.3	73.4	73.5	73.5	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8
≥ 1200	63.9	74.3	75.4	76.0	76.6	76.7	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.2	77.2
IV 1000	64.4	76.0	77.3	78.1	78.8	79.0	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.5	79.5
≥ 900	64.7	77.5	78.8	79.7	80.6	80.8	81.0	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.4
IV 800	64.7	78.3	79.8	80.8	82.0	82.2	82.4	82.5	82.6	82.7	82.7	82.7	82.8	82.8	82.9	82.9
≥ 700	65.0	78.8	80.6	81.8	83.2	83.4	83.9	84.0	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.5
IV 600	65.1	79.6	81.6	83.0	84.8	85.1	85.8	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.7	86.7
≥ 500	65.2	80.2	82.5	84.1	86.4	86.9	87.9	88.6	88.7	89.0	89.2	89.2	89.3	89.3	89.4	89.4
IV 400	65.2	80.5	83.0	84.9	87.4	88.1	89.5	90.5	90.7	91.3	91.6	91.6	91.7	91.8	91.9	92.0
≥ 300	65.2	80.5	83.1	85.1	87.7	88.4	90.0	91.3	91.8	92.8	93.6	93.7	94.0	94.1	94.3	94.6
IV 200	65.2	80.5	83.1	85.2	87.8	88.5	90.1	91.7	92.3	93.5	94.7	94.8	95.9	96.1	96.6	97.4
≥ 100	65.2	80.5	83.1	85.2	87.8	88.5	90.2	91.7	92.4	93.7	95.0	95.1	96.4	96.7	97.6	99.1
IV 0	65.2	80.6	83.1	85.2	87.8	88.5	90.2	91.8	92.4	93.7	95.0	95.1	96.4	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 1	≥ 2	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	44.6	43.5	49.1	49.1	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.8	49.8	49.9	50.1
≥ 20000	46.3	50.6	51.2	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.7	51.7	51.9	51.9	52.0	52.2
≥ 18000	45.5	50.7	51.3	51.3	51.5	51.5	51.5	51.7	51.7	51.7	51.8	51.8	52.0	52.0	52.1	52.4
≥ 16000	47.0	51.3	51.9	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.4	52.4	52.6	52.6	52.7	53.0
≥ 14000	47.6	51.9	52.5	52.5	52.7	52.7	52.7	52.8	52.8	52.8	53.0	53.0	53.2	53.2	53.3	53.5
≥ 12000	47.9	52.2	52.8	52.8	53.1	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.5	53.5	53.7	53.9
≥ 10000	48.3	53.0	53.5	53.5	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.3	54.3	54.4	54.6
≥ 9000	48.3	53.0	53.5	53.5	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.3	54.3	54.4	54.6
≥ 8000	49.5	54.1	54.7	54.7	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.4	55.4	55.6	55.8
≥ 7000	50.0	54.7	55.3	55.3	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.1	56.4
≥ 6000	50.1	55.0	55.6	55.6	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.3	56.3	56.4	56.6
≥ 5000	51.5	57.1	57.7	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.2	58.2	58.4	58.4	58.5	58.7
≥ 4500	52.5	58.4	59.2	59.6	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.3	60.3	60.4	60.6
≥ 4000	52.5	58.7	59.6	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.6	60.6	60.8	61.0
≥ 3500	53.2	59.6	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.5	61.5	61.6	61.8
≥ 3000	54.5	61.5	62.4	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.5	63.5	63.6	63.8
≥ 2500	55.4	63.2	64.2	64.5	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.2	65.2	65.4	65.6
≥ 2000	57.4	66.4	67.4	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.8	68.8	68.9	69.1
≥ 1800	57.8	67.1	68.1	68.9	69.3	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.7	69.7	69.9	70.1
≥ 1500	59.0	69.6	70.8	71.6	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.5	72.5	72.6	72.8
≥ 1200	60.2	71.6	74.0	74.9	75.5	75.5	75.5	75.7	75.7	75.7	75.8	75.8	76.2	76.2	76.4	76.6
≥ 1000	60.9	75.7	77.1	78.1	78.8	78.8	78.8	79.0	79.0	79.0	79.1	79.1	79.6	79.6	79.7	79.9
≥ 900	61.2	78.3	80.0	81.1	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.5	82.5	82.6	82.9
≥ 800	61.8	80.5	82.4	83.6	84.3	84.3	84.3	84.4	84.4	84.4	84.5	84.5	85.0	85.0	85.1	85.3
≥ 700	62.2	82.2	84.2	85.8	86.5	86.5	86.5	86.6	86.6	86.6	86.8	86.8	87.2	87.2	87.4	87.6
≥ 600	62.2	83.2	85.2	87.4	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.9	88.9	89.0	89.2
≥ 500	62.3	84.0	86.3	89.0	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.5	91.3	91.3	91.4	91.6
≥ 400	62.3	84.2	86.4	89.5	91.1	91.3	91.5	92.0	92.1	92.1	92.2	92.2	92.9	92.9	93.0	93.3
≥ 300	62.4	84.5	86.8	90.0	91.8	92.1	93.0	93.9	94.0	94.0	94.7	94.7	95.5	95.5	95.7	96.0
≥ 200	62.4	84.5	86.8	90.0	91.8	92.1	93.0	94.1	94.3	94.3	95.0	96.1	97.3	97.4	98.2	98.8
≥ 100	62.4	84.5	86.8	90.0	91.8	92.1	93.1	94.3	94.6	95.3	96.5	96.6	98.0	98.2	99.3	99.9
≥ 0	62.4	84.5	86.8	90.0	91.8	92.1	93.1	94.3	94.6	95.3	96.5	96.6	98.0	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	37.5	40.9	41.5	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.2	42.4	42.5	42.5	42.5	42.7
≥ 20000	39.2	43.3	43.9	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.6	44.7	44.9	44.9	44.9	45.1
≥ 18000	39.3	43.4	44.0	44.1	44.5	44.5	44.6	44.6	44.6	44.6	44.7	44.9	45.0	45.0	45.0	45.2
≥ 16000	39.6	43.8	44.4	44.5	44.9	44.9	45.0	45.0	45.0	45.0	45.1	45.2	45.3	45.3	45.3	45.6
≥ 14000	40.4	44.5	45.1	45.2	45.6	45.6	45.7	45.7	45.7	45.7	45.8	45.9	46.0	46.0	46.0	46.3
≥ 12000	40.4	44.5	45.1	45.2	45.6	45.6	45.7	45.7	45.7	45.7	45.8	45.9	46.0	46.0	46.0	46.3
≥ 10000	40.7	44.9	45.4	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.2	46.3	46.4	46.4	46.4	46.6
≥ 9000	40.7	44.9	45.4	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.2	46.3	46.4	46.4	46.4	46.6
≥ 8000	42.1	46.3	46.9	47.0	47.3	47.3	47.5	47.5	47.5	47.5	47.6	47.7	47.8	47.8	47.8	48.0
≥ 7000	42.4	46.5	47.1	47.2	47.6	47.6	47.7	47.7	47.7	47.7	47.8	47.9	48.0	48.0	48.0	48.3
≥ 6000	42.7	47.2	47.8	47.9	48.3	48.3	48.4	48.4	48.4	48.4	48.5	48.6	48.8	48.8	48.8	49.0
≥ 5000	43.7	48.8	49.3	49.5	49.8	49.8	49.9	49.9	49.9	49.9	50.1	50.2	50.3	50.3	50.3	50.5
≥ 4500	44.5	50.4	51.0	51.1	51.6	51.6	51.7	51.7	51.7	51.7	51.8	52.0	52.1	52.1	52.1	52.3
≥ 4000	44.9	51.0	51.7	51.8	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.7	52.8	52.8	52.8	53.0
≥ 3500	44.9	51.5	52.2	52.3	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.1	53.3	53.3	53.3	53.5
≥ 3000	45.8	53.0	53.8	54.0	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.9	55.0	55.0	55.0	55.3
≥ 2500	47.3	55.1	56.0	56.2	56.9	56.9	57.0	57.0	57.0	57.0	57.2	57.3	57.4	57.4	57.4	57.6
≥ 2000	48.8	57.8	58.7	59.1	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.1	60.2	60.2	60.2	60.5
≥ 1800	48.8	58.0	58.9	59.3	60.1	60.1	60.2	60.2	60.2	60.2	60.4	60.5	60.6	60.6	60.6	60.8
≥ 1500	49.5	60.9	62.0	62.7	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.3	64.4	64.4	64.4	64.6
≥ 1200	50.3	63.4	64.6	65.4	66.6	66.6	66.7	66.7	66.7	66.9	67.0	67.1	67.2	67.2	67.2	67.5
≥ 1000	51.5	66.2	67.6	68.6	70.2	70.2	70.3	70.3	70.3	70.4	70.5	70.7	70.8	70.8	70.8	71.0
≥ 900	52.2	68.2	69.7	71.0	72.5	72.5	72.7	72.7	72.7	72.9	73.0	73.1	73.3	73.3	73.3	73.5
≥ 800	53.3	71.7	73.6	75.5	77.2	77.2	77.4	77.4	77.4	77.6	77.8	77.9	78.0	78.0	78.0	78.2
≥ 700	53.7	74.0	75.9	77.8	79.5	79.5	79.9	79.9	79.9	80.1	80.2	80.4	80.6	80.6	80.6	80.8
≥ 600	53.8	75.5	77.9	80.2	82.2	82.2	82.6	82.7	82.7	83.0	83.1	83.2	83.4	83.4	83.4	83.7
≥ 500	53.8	76.6	79.2	82.1	84.5	84.5	85.0	85.2	85.2	85.6	85.7	85.8	86.0	86.0	86.0	86.3
≥ 400	54.0	77.2	79.9	83.3	86.2	86.3	87.0	87.7	87.8	88.8	89.0	89.1	89.5	89.5	89.5	89.7
≥ 300	54.0	77.2	79.9	83.7	86.5	86.7	88.2	90.2	90.5	92.2	92.4	92.5	93.1	93.3	93.4	94.0
≥ 200	54.0	77.2	80.2	84.3	87.2	87.5	89.0	91.5	92.1	94.4	95.3	95.4	96.6	96.7	96.8	98.2
≥ 100	54.0	77.2	80.2	84.3	87.3	87.6	89.1	91.6	92.2	94.7	95.7	95.9	97.5	97.8	98.0	99.6
≥ 0	54.0	77.2	80.2	84.3	87.3	87.6	89.1	91.6	92.2	94.7	95.7	95.9	97.5	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.7	38.4	39.1	39.4	39.7	39.8	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.5
≥ 20000	37.7	40.7	41.4	41.7	42.2	42.3	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	43.0
≥ 18000	37.8	40.9	41.6	42.0	42.4	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.3
IV 16000	37.8	40.9	41.6	42.0	42.4	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.3
≥ 14000	38.7	41.7	42.4	42.8	43.3	43.4	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	44.1
IV 12000	38.8	41.8	42.6	42.9	43.4	43.5	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	44.2
IV 10000	39.2	42.6	43.3	43.6	44.1	44.2	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.9
IV 9000	39.4	42.7	43.4	43.7	44.2	44.3	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	45.0
IV 8000	39.8	43.1	43.9	44.2	44.7	44.8	45.0	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.5
IV 7000	40.7	44.1	44.8	45.2	45.6	45.7	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.5
IV 6000	41.6	45.5	46.2	46.6	47.0	47.2	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.9
IV 5000	42.6	47.2	47.9	48.2	48.7	48.8	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.5
IV 4500	42.9	47.8	48.5	48.8	49.3	49.4	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	50.1
IV 4000	43.1	48.1	48.8	49.3	50.2	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	51.1
IV 3500	43.5	48.5	49.2	49.6	50.6	50.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.4
IV 3000	44.4	49.6	50.4	50.8	51.9	52.0	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.7
IV 2500	46.2	52.5	53.3	53.9	55.0	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.8
IV 2000	47.2	54.3	55.2	55.9	57.1	57.2	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.9
IV 1800	47.4	55.2	56.1	57.0	58.2	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	59.0
IV 1500	47.8	58.2	59.1	60.0	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.1
IV 1200	48.2	61.0	62.1	63.0	64.2	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.4
IV 1000	49.3	62.9	64.1	65.0	66.4	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.8
IV 900	50.2	64.8	66.3	67.3	68.8	69.6	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.4
IV 800	50.9	67.3	69.0	70.2	72.0	72.8	73.2	73.2	73.4	73.5	73.6	73.6	73.6	73.6	73.6	74.0
IV 700	51.1	68.4	70.4	72.1	74.2	75.3	75.7	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.5
IV 600	51.2	69.5	72.0	73.9	76.1	77.4	78.5	78.8	79.1	79.2	79.6	79.6	79.6	79.6	79.6	80.0
IV 500	51.3	70.1	72.8	75.1	77.8	79.2	80.5	81.3	81.8	82.0	82.5	82.5	82.6	82.6	82.6	83.1
IV 400	51.3	70.4	74.1	76.7	79.9	81.3	83.5	85.0	85.5	86.1	87.2	87.2	87.4	87.4	87.4	87.9
IV 300	51.3	70.6	74.2	77.0	80.4	81.8	84.9	87.5	87.9	88.9	90.4	90.4	90.7	90.8	91.1	92.2
IV 200	51.3	70.6	74.2	77.0	80.5	81.9	85.5	88.3	88.9	90.4	92.7	92.8	93.1	93.3	93.7	95.2
IV 100	51.3	70.6	74.2	77.0	80.5	81.9	85.5	88.3	89.0	90.7	93.3	93.4	94.7	95.2	96.2	99.1
IV 0	51.3	70.6	74.2	77.0	80.5	81.9	85.5	88.3	89.0	90.7	93.3	93.4	94.7	95.2	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-3 (CL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	37.7	40.3	40.5	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.3
≥ 20000	41.0	44.1	44.4	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.2	45.2	45.3
≥ 18000	41.7	44.8	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.9	45.9	46.0
≥ 16000	41.7	44.8	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.9	45.9	46.0
≥ 14000	42.3	45.4	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.5	46.5	46.6
≥ 12000	42.3	45.4	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.5	46.5	46.6
≥ 10000	43.0	46.2	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.3	47.3	47.5
≥ 9000	43.1	46.5	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.5	47.6
≥ 8000	43.7	47.0	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.2
≥ 7000	44.2	47.9	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	49.1
≥ 6000	45.2	48.9	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.1
≥ 5000	46.0	50.1	50.6	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.7	51.7	51.8
≥ 4500	46.7	51.1	51.5	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.8
≥ 4000	47.0	51.5	52.0	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.3
≥ 3500	47.8	52.4	52.8	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.1
≥ 3000	49.4	54.7	55.2	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.7	56.7	56.9
≥ 2500	51.9	58.0	58.5	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.2	60.2	60.3
≥ 2000	53.2	60.5	61.0	61.7	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.8	62.8	62.9
≥ 1800	53.9	61.8	62.3	63.0	63.6	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	64.2	64.2	64.3
≥ 1500	55.8	65.5	66.0	66.9	67.6	67.7	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.4
≥ 1200	57.0	69.5	70.2	71.3	72.1	72.3	72.5	72.6	72.6	72.7	72.8	72.8	72.8	73.0	73.0	73.2
≥ 1000	58.0	72.3	73.2	74.5	75.5	75.9	76.2	76.4	76.4	76.5	76.6	76.6	76.6	76.8	76.8	77.0
≥ 900	58.6	73.8	74.9	77.0	78.3	78.6	79.0	79.3	79.3	79.4	79.6	79.6	79.6	79.8	79.8	79.9
≥ 800	58.7	75.1	76.8	78.8	80.7	81.1	81.9	82.4	82.5	82.6	82.7	82.7	82.7	83.0	83.0	83.1
≥ 700	59.0	76.1	78.3	80.4	82.6	83.0	84.2	85.0	85.1	85.2	85.3	85.3	85.3	85.6	85.6	85.7
≥ 600	59.0	77.0	79.2	81.7	84.4	84.8	86.4	87.6	87.7	87.8	88.1	88.1	88.1	88.3	88.3	88.4
≥ 500	59.0	77.2	79.8	82.5	86.1	86.5	88.5	89.8	90.1	90.2	90.7	90.7	90.7	90.9	90.9	91.0
≥ 400	59.0	77.4	80.0	83.0	86.6	87.1	89.6	91.1	91.4	92.9	93.9	93.9	93.9	94.1	94.1	94.2
≥ 300	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.3	92.7	94.8	96.1	96.1	96.1	96.5	96.6	96.7
≥ 200	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.3	96.7	96.9	96.9	97.6	98.0	98.2
≥ 100	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.4	96.9	97.2	97.2	98.1	98.8	99.5
≥ 0	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.4	96.9	97.2	97.2	98.1	98.8	99.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	47.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	53.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	53.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	53.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	54.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	55.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 10000	56.5	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000	56.6	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000	57.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	57.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	58.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	59.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500	60.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	61.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	63.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	65.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	67.1	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	70.6	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1800	71.3	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	72.3	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1200	73.4	84.2	84.4	84.6	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1000	74.3	86.8	87.2	87.6	88.2	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	74.5	87.8	88.4	88.8	89.4	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	74.6	88.9	89.5	90.2	90.9	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	74.6	89.4	90.1	91.1	92.1	92.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	74.6	89.8	90.7	92.1	93.3	93.6	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	74.6	90.3	91.1	92.8	94.3	94.7	95.9	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	74.6	90.4	91.3	92.9	94.6	94.9	96.6	96.8	97.5	97.6	97.8	97.8	97.8	97.8	97.8
≥ 300	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.4	98.1	98.7	99.2	99.2	99.2	99.2	99.3
≥ 200	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.4	99.4	99.4	99.5	99.6
≥ 100	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.5	99.6	99.6	99.8	99.9
≥ 0	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	53.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	59.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	59.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	59.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	61.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	62.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	63.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	63.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	64.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	66.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	66.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000	67.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	69.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	70.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	73.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	75.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	77.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	78.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	78.6	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	79.3	86.9	87.4	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	80.3	88.8	89.8	90.0	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000	81.1	90.2	91.3	91.7	92.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	81.2	90.4	91.6	92.1	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	81.2	90.9	92.2	92.7	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	81.6	91.4	92.8	93.7	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	81.7	92.0	93.4	94.3	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	81.7	92.6	94.2	95.2	96.0	96.3	96.9	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5
≥ 400	81.7	92.6	94.2	95.2	96.1	96.5	97.4	97.9	98.2	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 300	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.5	99.5	99.8	99.8	99.8	99.8
≥ 200	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	100.0	100.0	100.0
≥ 0	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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CEILING VERSUS VISIBILITY

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RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	55.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0
≥ 20000	62.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6
≥ 18000	62.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
IV 16000	63.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 14000	63.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
IV 12000	64.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
IV 10000	66.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4
IV 9000	66.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5
IV 8000	67.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 7000	68.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
IV 6000	68.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8
IV 5000	70.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
IV 4500	70.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 4000	71.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
IV 3500	72.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7
IV 3000	74.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
IV 2500	76.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2
IV 2000	77.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7
IV 1800	77.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
IV 1500	78.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 1200	79.1	89.6	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
IV 1000	79.8	91.1	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0
IV 900	79.8	91.8	92.4	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 800	79.8	92.2	92.9	93.4	93.5	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
IV 700	79.8	92.4	93.3	93.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.6
IV 600	79.8	92.7	93.6	94.2	94.7	94.9	95.0	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.5
IV 500	79.9	92.8	93.7	94.3	95.0	95.4	95.9	96.1	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.8
IV 400	79.9	92.9	94.3	95.0	95.7	96.1	96.8	97.0	97.0	97.8	98.1	98.1	98.1	98.1	98.1	98.2
IV 300	79.9	92.9	94.3	95.0	96.0	96.3	97.0	97.6	98.0	98.8	99.2	99.2	99.2	99.2	99.2	99.3
IV 200	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	99.8
IV 100	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	100.0
IV 0	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.0	57.0	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 20000	57.4	60.4	60.5	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.1
≥ 18000	57.4	60.4	60.5	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.1
≥ 16000	58.0	61.0	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.7
≥ 14000	58.4	61.3	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1
≥ 12000	59.5	62.4	62.5	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1
≥ 10000	60.0	63.5	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.2
≥ 9000	60.6	64.1	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.8
≥ 8000	61.5	64.9	65.0	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.6
≥ 7000	62.5	66.1	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.8
≥ 6000	63.7	67.5	67.6	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.2
≥ 5000	65.0	69.4	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.2
≥ 4500	65.1	69.9	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.7
≥ 4000	65.6	70.4	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.3
≥ 3500	66.1	71.4	71.6	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.2
≥ 3000	67.0	72.6	72.8	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4
≥ 2500	68.7	75.2	75.5	75.8	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.4	76.5
≥ 2000	69.5	77.1	77.4	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.4
≥ 1800	69.9	77.7	78.0	78.4	78.5	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.2
≥ 1500	71.0	80.3	80.7	81.1	81.2	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.0
≥ 1200	72.2	82.9	83.3	83.7	83.8	83.8	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.6
≥ 1000	73.5	86.3	86.8	87.4	87.5	87.5	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3
≥ 900	74.1	87.4	87.8	88.4	88.5	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.4
≥ 800	74.1	87.9	88.5	89.2	89.4	89.4	89.8	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.3
≥ 700	74.3	88.8	89.7	90.5	90.8	90.8	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.7
≥ 600	74.5	89.5	90.8	91.8	92.1	92.1	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.1	93.3
≥ 500	74.5	89.8	91.6	93.1	93.6	93.6	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.2	95.3
≥ 400	74.5	89.8	91.7	93.4	94.4	94.6	96.0	96.2	96.2	96.5	96.7	96.7	96.7	96.7	96.8	96.9
≥ 300	74.5	90.1	92.0	93.6	94.9	95.2	96.7	97.2	97.2	97.4	97.4	97.9	97.9	98.0	98.1	98.2
≥ 200	74.5	90.1	92.1	93.7	95.0	95.3	97.0	97.8	97.9	98.1	98.7	98.7	98.9	98.9	99.1	99.2
≥ 100	74.5	90.1	92.1	93.7	95.0	95.3	97.0	97.8	97.9	98.1	98.7	98.7	98.9	99.1	99.5	100.0
≥ 0	74.5	90.1	92.1	93.7	95.0	95.3	97.0	97.8	97.9	98.1	98.7	98.7	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.6	48.3	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.3
≥ 20000	49.6	52.6	52.9	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.6
≥ 18000	49.8	52.8	53.1	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.8
IV 16000	50.1	53.1	53.4	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	54.1
IV 14000	50.9	53.9	54.2	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.9
IV 12000	51.4	54.6	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.6
IV 10000	52.2	55.4	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.4
IV 9000	52.3	55.6	55.9	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.6
IV 8000	53.3	56.6	56.9	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.6
IV 7000	54.1	57.6	57.9	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.6
IV 6000	54.7	58.5	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.5
IV 5000	55.8	59.9	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	61.0
IV 4500	56.4	60.8	61.2	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	62.0
IV 4000	57.2	61.7	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8	63.0
IV 3500	58.1	62.9	63.3	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.2
IV 3000	59.5	64.9	65.3	65.5	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.2
IV 2500	61.3	67.7	68.1	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.2
IV 2000	62.8	70.4	70.9	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	72.1
IV 1800	63.2	71.2	71.7	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	73.0
IV 1500	64.1	73.7	74.3	74.8	75.3	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.9
IV 1200	65.1	76.5	77.3	77.9	78.5	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.9	79.0	79.0	79.1
IV 1000	66.1	78.9	79.8	80.6	81.3	81.3	81.5	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.2
IV 900	66.5	80.3	81.4	82.3	83.1	83.3	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.9	83.9	84.1
IV 800	66.8	81.8	83.1	84.2	85.1	85.4	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.3
IV 700	67.0	82.8	84.3	85.7	86.8	87.0	87.5	87.7	87.7	87.7	87.8	87.9	87.9	88.0	88.0	88.2
IV 600	67.1	83.6	85.3	87.0	88.3	88.6	89.3	89.5	89.6	89.7	89.8	89.8	89.8	89.9	89.9	90.1
IV 500	67.1	84.2	86.1	88.0	89.7	90.1	91.0	91.4	91.5	91.7	91.9	91.9	92.1	92.1	92.1	92.3
IV 400	67.1	84.4	86.5	88.6	90.6	91.0	92.3	93.0	93.2	93.8	94.2	94.2	94.4	94.4	94.5	94.6
IV 300	67.2	84.5	86.6	88.8	90.9	91.4	93.0	94.3	94.6	95.5	96.2	96.2	96.5	96.5	96.7	96.9
IV 200	67.2	84.5	86.6	88.9	91.0	91.5	93.3	94.7	95.2	96.3	97.3	97.3	97.8	97.9	98.2	98.7
IV 100	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	99.8
IV 0	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	39.6	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	42.9	46.9	47.2	47.6	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	43.1	47.1	47.4	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000	43.7	47.6	48.0	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	44.7	48.7	49.0	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 12000	45.5	49.8	50.1	50.5	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 10000	45.7	50.3	50.6	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 9000	45.7	50.3	50.6	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	46.2	51.0	51.3	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	46.7	51.4	51.7	52.2	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 6000	46.9	51.7	52.0	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 5000	47.8	52.9	53.2	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4500	49.7	54.2	54.5	54.9	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 4000	49.1	54.3	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 3500	50.3	55.6	55.9	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3000	51.4	57.1	57.4	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2500	52.4	59.5	59.8	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 2000	53.3	61.5	61.8	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1800	54.3	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1500	55.6	67.6	68.3	68.9	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 1200	57.3	73.2	74.0	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1000	58.4	76.6	77.7	79.2	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 900	58.6	79.5	81.0	82.6	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800	59.5	82.2	84.2	85.9	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	59.9	83.8	85.9	87.7	88.5	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	60.1	85.2	87.4	89.7	90.5	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 500	60.2	85.8	88.3	90.9	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	60.2	86.0	88.5	91.2	92.9	92.9	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	60.2	86.1	88.6	91.4	93.2	93.2	93.4	94.3	94.8	95.4	95.8	96.1	96.1	96.2	96.2
IV 200	60.2	86.1	88.6	91.4	93.2	93.2	93.5	94.6	95.6	96.3	96.9	97.3	97.3	97.7	97.7
IV 100	60.2	86.1	88.6	91.4	93.2	93.2	93.5	94.6	95.7	96.5	97.0	97.6	97.6	98.1	98.1
IV 0	60.2	86.1	88.6	91.4	93.2	93.2	93.5	94.6	95.7	96.5	97.0	97.6	97.6	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.E.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	32.3	36.1	36.2	36.7	37.3	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.8	37.8
≥ 20000	35.1	39.5	39.6	40.0	40.6	40.6	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.4
≥ 18000	35.4	39.8	39.9	40.3	41.0	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.7
≥ 16000	35.7	40.1	40.2	40.6	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	42.0
≥ 14000	36.7	41.2	41.3	41.7	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	43.1
≥ 12000	37.5	42.2	42.3	42.7	43.3	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	44.1
≥ 10000	38.1	42.8	42.9	43.3	44.0	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.7
≥ 9000	38.3	43.0	43.1	43.5	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.9
≥ 8000	39.0	43.8	43.9	44.3	44.9	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.7
≥ 7000	39.8	44.5	44.6	45.1	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.5
≥ 6000	40.2	44.9	45.1	45.5	46.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.9
≥ 5000	40.8	45.7	45.9	46.3	47.0	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.7
≥ 4500	41.3	46.2	46.5	46.9	47.5	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.4
≥ 4000	41.4	46.3	46.6	47.0	47.6	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.5
≥ 3500	42.3	47.2	47.4	47.8	48.5	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.4
≥ 3000	43.1	48.3	48.5	48.9	49.6	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.4
≥ 2500	44.4	51.1	51.4	51.8	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.3
≥ 2000	44.9	52.3	52.6	53.0	53.7	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.6
≥ 1800	45.5	53.5	53.9	54.3	54.9	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.9
≥ 1500	46.9	58.7	59.1	59.8	60.4	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.4
≥ 1200	49.1	63.7	64.1	65.1	65.7	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.7
≥ 1000	50.3	67.5	68.3	69.4	70.0	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	71.0
≥ 900	51.2	71.5	72.3	73.5	74.2	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.2
≥ 800	51.7	74.6	75.9	77.3	78.1	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	79.0
≥ 700	51.9	75.9	77.6	79.4	80.3	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.3
≥ 600	51.9	77.6	80.1	82.4	83.4	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.5
≥ 500	51.9	78.3	81.4	84.3	86.1	86.5	87.1	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.6	87.8
≥ 400	52.0	78.7	82.4	86.0	88.6	89.5	90.3	90.5	90.6	90.8	90.9	90.9	90.9	90.9	91.0	91.2
≥ 300	52.0	78.8	82.7	86.5	89.4	90.3	91.4	92.5	92.6	92.9	93.2	93.2	93.3	93.4	93.7	93.9
≥ 200	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.5	95.4	95.4	95.4	95.4	96.2	97.4
≥ 100	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.7	95.7	95.8	95.8	95.8	96.9	98.9
≥ 0	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.7	95.7	95.8	95.8	95.8	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	29.7	33.3	33.7	34.3	34.5	34.7	34.9	35.2	35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.8
≥ 20000	33.1	38.2	38.6	39.2	39.6	39.8	40.0	40.2	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.9
≥ 18000	33.3	38.4	38.8	39.5	39.8	40.0	40.2	40.4	40.4	40.6	40.9	40.9	40.9	40.9	40.9	41.1
IV 16000	33.8	38.8	39.2	39.9	40.2	40.4	40.6	40.9	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.5
≥ 14000	34.3	39.7	40.1	40.8	41.1	41.3	41.5	41.7	41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.4
IV 12000	34.7	40.1	40.5	41.2	41.5	41.7	41.9	42.2	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.8
≥ 10000	35.9	41.7	42.2	42.8	43.1	43.3	43.5	43.8	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.4
IV 9000	36.0	42.2	42.6	43.2	43.5	43.8	44.1	44.3	44.3	44.5	44.7	44.7	44.7	44.7	44.7	44.9
≥ 8000	36.9	43.0	43.4	44.1	44.5	44.7	45.1	45.3	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.9
IV 7000	37.3	43.4	43.9	44.5	44.9	45.2	45.5	45.7	45.7	45.9	46.1	46.1	46.1	46.1	46.1	46.3
≥ 6000	38.2	44.4	44.8	45.5	45.9	46.1	46.5	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.3
IV 5000	38.2	44.4	44.8	45.5	45.9	46.1	46.5	46.8	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.4
≥ 4500	38.7	44.9	45.4	46.0	46.5	46.8	47.1	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8	48.1
IV 4000	38.7	44.9	45.4	46.0	46.5	46.8	47.1	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8	48.1
≥ 3500	38.9	45.4	45.8	46.5	46.9	47.2	47.5	47.8	47.8	48.1	48.3	48.3	48.3	48.3	48.3	48.5
IV 3000	40.2	47.5	48.0	48.6	49.1	49.5	49.9	50.2	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.9
≥ 2500	41.8	50.5	51.3	52.0	52.7	53.1	53.7	54.0	54.0	54.2	54.5	54.5	54.5	54.5	54.5	54.7
IV 2000	42.6	53.5	54.3	55.1	55.7	56.1	56.8	57.1	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.8
≥ 1800	43.3	54.7	55.6	56.3	57.0	57.4	58.1	58.4	58.4	58.6	58.9	58.9	58.9	58.9	58.9	59.1
IV 1500	44.5	57.4	58.4	59.6	60.2	60.6	61.3	61.6	61.6	61.8	62.2	62.2	62.2	62.2	62.2	62.4
≥ 1200	45.8	60.9	62.2	63.4	64.2	64.6	65.4	65.8	65.8	66.0	66.3	66.3	66.3	66.3	66.3	66.6
IV 1000	46.7	63.2	64.9	66.6	67.5	68.0	68.7	69.2	69.2	69.5	69.8	69.8	69.8	69.8	69.8	70.0
≥ 900	47.1	65.3	67.2	69.2	70.4	70.9	71.8	72.4	72.4	72.7	73.0	73.0	73.0	73.0	73.0	73.2
IV 800	47.3	67.3	69.7	72.7	74.0	74.4	75.4	76.0	76.0	76.6	76.9	76.9	76.9	76.9	76.9	77.1
≥ 700	47.4	68.2	70.8	74.0	75.5	76.0	77.0	77.7	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.8
IV 600	47.4	68.6	71.5	75.1	76.8	77.4	78.5	79.4	79.6	80.2	80.5	80.5	80.5	80.5	80.5	80.8
≥ 500	47.4	69.1	72.5	76.8	78.9	79.7	81.1	82.2	82.4	83.3	83.9	83.9	84.0	84.0	84.1	84.3
IV 400	47.4	69.1	72.6	77.4	80.0	81.0	82.8	84.0	84.2	85.7	86.3	86.5	86.8	86.8	86.9	87.3
≥ 300	47.4	69.1	72.8	77.7	81.2	82.2	84.5	86.1	86.6	89.6	91.0	91.1	91.8	92.0	92.8	93.3
IV 200	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.7	87.1	90.3	92.6	92.8	94.7	94.9	95.8	97.2
≥ 100	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.8	87.2	90.4	92.8	93.0	95.2	95.5	96.9	99.1
IV 0	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.8	87.2	90.4	92.9	93.1	95.3	95.6	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722-36

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0930-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	36.4	37.8	38.1	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	42.6	44.5	44.7	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	43.0	44.9	45.2	45.3	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	43.5	45.6	45.8	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	43.9	45.9	46.1	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	45.2	47.3	47.5	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	46.6	48.9	49.1	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9500	46.6	49.4	49.7	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 8000	47.3	50.2	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	47.8	50.9	51.2	51.3	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	48.0	51.0	51.3	51.6	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000	48.7	51.9	52.5	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	49.4	52.6	53.1	53.4	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000	49.7	53.0	53.5	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 3500	50.5	54.2	54.8	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3000	51.2	55.8	56.5	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2500	53.2	59.5	60.2	61.1	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2000	54.7	63.0	63.8	64.6	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 1800	54.9	63.7	64.5	65.4	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1500	56.3	67.7	68.9	69.8	70.5	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1200	57.1	71.6	73.1	74.1	75.3	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1000	57.4	73.8	75.6	76.9	78.6	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	57.5	74.6	77.1	78.6	80.4	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	57.5	75.7	78.9	80.6	82.7	83.0	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
≥ 700	57.5	76.5	79.9	82.2	84.6	84.9	85.5	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	57.7	76.9	81.1	84.2	87.2	87.5	88.5	88.9	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	57.7	77.0	81.5	84.9	88.4	88.7	89.8	90.6	90.9	91.3	91.4	91.4	91.5	91.5	91.5	91.5
≥ 400	57.7	77.1	81.6	85.3	88.7	89.4	90.6	92.2	92.4	93.1	93.5	93.7	93.9	94.2	94.2	94.2
≥ 300	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.0	93.3	94.7	95.6	96.0	96.3	96.7	96.7	96.7
≥ 200	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.1	96.7	97.1	97.6	98.0	98.6	98.9
≥ 100	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.3	96.9	97.3	97.8	98.2	99.2	99.8
≥ 0	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.3	96.9	97.3	97.8	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	45.9	45.9	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	54.7	56.9	56.9	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	55.4	57.5	57.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	56.1	58.5	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 14000	56.1	58.6	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	57.3	60.0	60.0	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	58.4	61.3	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	58.6	61.6	61.6	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	60.1	63.1	63.1	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	60.4	63.5	63.5	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	60.8	63.9	63.9	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	61.8	65.3	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500	62.5	65.9	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	62.9	67.1	67.1	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	64.4	68.7	68.7	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3000	67.0	72.2	72.2	72.2	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	68.2	75.5	75.6	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000	69.9	79.0	79.1	79.1	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1800	70.5	80.3	80.4	80.6	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	72.2	84.7	85.1	85.7	86.0	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	72.8	87.3	88.0	88.6	89.0	89.1	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	73.0	88.3	89.2	90.2	90.8	90.9	91.6	91.7	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	73.1	88.9	90.0	91.2	91.7	91.8	92.7	92.8	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	73.1	89.1	90.5	91.8	92.5	92.8	93.8	93.9	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700	73.2	89.4	91.1	92.6	93.4	93.9	94.8	94.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	73.2	89.4	91.2	92.8	93.9	94.4	95.5	95.6	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	73.2	89.4	91.2	92.8	94.5	95.2	96.2	96.6	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	73.2	89.4	91.2	92.8	94.7	95.4	96.7	97.0	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.3	97.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7 JUL 64 Q-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	48.6	49.1	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	59.9	61.6	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	60.1	61.8	61.8	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 16000	60.3	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	61.3	63.2	63.2	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	62.6	64.6	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	63.9	66.2	66.2	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000	63.9	66.3	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	65.7	68.2	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 7000	67.3	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000	68.2	71.1	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000	70.1	73.4	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	70.4	73.8	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	71.8	76.3	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	73.5	78.0	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3000	77.0	82.5	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	79.2	86.0	86.0	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	80.2	88.0	88.2	88.5	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	80.3	88.5	88.7	89.0	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	81.3	91.2	92.2	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	81.7	92.6	93.5	94.3	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	82.2	93.4	94.4	95.2	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	82.2	93.9	95.1	95.8	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	82.2	94.3	95.5	96.3	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	82.3	94.4	95.7	96.6	97.2	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	82.3	94.5	95.8	96.7	97.3	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	82.3	94.6	95.9	96.8	97.7	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	82.3	94.6	95.9	96.8	97.7	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	82.3	94.6	95.9	96.8	97.7	98.1	98.6	99.0	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5
≥ 200	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	99.9	99.9
≥ 100	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	100.0	100.0
≥ 0	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000	51.7 61.8	53.7 64.5	53.8 64.6	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9	54.1 64.9
≥ 18000 ≥ 16000	62.5 63.0	65.3 65.8	65.4 65.9	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2
≥ 14000 ≥ 12000	64.5 67.4	67.4 70.4	67.5 70.5	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9	67.8 70.9
≥ 10000 ≥ 9000	68.2 68.4	71.6 71.8	71.7 71.9	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3
≥ 8000 ≥ 7000	69.1 70.1	72.8 74.1	72.9 74.2	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6	73.2 74.6
≥ 6000 ≥ 5000	70.9 72.5	75.1 76.9	75.2 77.0	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4	75.6 77.4
≥ 4500 ≥ 4000	73.7 75.1	78.2 80.0	78.3 80.1	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6	78.8 80.6
≥ 3500 ≥ 3000	75.7 77.3	81.0 83.5	81.1 83.7	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2	81.6 84.2
≥ 2500 ≥ 2000	78.2 79.1	85.7 88.4	85.8 88.5	86.3 89.0	86.3 89.0	86.3 89.0	86.3 89.0	86.3 89.0	86.3 89.0	86.3 89.1	86.3 89.1	86.3 89.1	86.3 89.1	86.3 89.1	86.3 89.1
≥ 1800 ≥ 1500	79.1 79.9	88.8 91.0	88.9 91.6	89.5 92.4	89.5 92.4	89.5 92.4	89.5 92.5	89.5 92.5	89.5 92.5	89.6 92.6	89.6 92.6	89.6 92.6	89.6 92.6	89.6 92.6	89.6 92.6
≥ 1200 ≥ 1000	80.5 80.5	92.4 93.4	93.1 94.2	94.0 95.1	94.0 95.2	94.1 95.3	94.2 95.5	94.2 95.5	94.2 95.5	94.3 95.6	94.3 95.6	94.3 95.6	94.3 95.6	94.3 95.6	94.3 95.6
≥ 900 ≥ 800	80.5 80.6	93.7 93.8	94.4 94.6	95.3 95.5	95.6 95.8	95.7 95.9	95.9 96.1	95.9 96.1	95.9 96.1	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2
≥ 700 ≥ 600	80.6 80.6	94.1 94.3	94.9 95.2	95.8 96.1	96.2 96.6	96.3 96.7	96.6 97.1	96.8 97.3	96.8 97.4	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6	97.0 97.6
≥ 500 ≥ 400	80.6 80.6	94.4 94.4	95.4 95.4	96.5 96.5	96.9 97.0	97.0 97.1	97.5 97.6	97.7 97.8	98.0 98.1	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3
≥ 300 ≥ 200	80.6 80.6	94.4 94.4	95.4 95.4	96.5 96.5	97.2 97.2	97.3 97.3	97.8 97.8	98.3 98.3	98.6 98.6	99.0 99.0	99.0 99.0	99.0 99.1	99.1 99.1	99.1 99.1	99.1 99.1
≥ 100 0	80.6 80.6	94.4 94.4	95.4 95.4	96.5 96.5	97.2 97.2	97.3 97.3	97.8 97.8	98.3 98.3	98.6 98.6	99.0 99.0	99.1 99.1	99.2 99.2	99.5 99.5	99.5 99.5	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	56.1	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	55.6	59.7	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	56.3	60.4	60.8	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	56.6	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	57.8	62.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	59.9	64.5	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000	60.3	64.9	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 9000	60.5	65.2	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	60.9	65.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	61.6	66.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	62.3	67.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	62.6	68.4	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	63.8	69.6	69.9	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	64.2	70.0	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3500	64.5	70.4	70.8	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	65.6	72.3	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	66.3	74.0	74.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	67.6	76.6	77.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1800	68.3	77.7	78.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1500	69.4	80.4	81.6	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	70.8	84.8	86.0	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000	71.7	87.6	89.1	90.8	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	72.0	88.5	90.2	91.8	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	72.3	89.7	91.4	93.2	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700	72.3	90.2	92.0	93.9	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	72.4	90.8	92.6	94.7	95.6	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	72.4	90.9	92.8	95.1	96.2	96.3	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	72.4	90.9	92.8	95.1	96.5	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 300	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 200	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.6	98.6	98.6	98.6	98.6	99.0	99.0
≥ 100	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.7	98.8	98.8	98.9	99.0	99.5	99.5
≥ 0	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.7	98.9	98.9	99.0	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	42.0	44.4	44.6	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	48.2	51.5	51.7	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5
≥ 18000	48.6	51.9	52.1	52.4	52.6	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 16000	49.1	52.4	52.6	52.9	53.1	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5
≥ 14000	49.9	53.4	53.6	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	51.3	54.9	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
≥ 10000	52.1	56.0	56.2	56.5	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	52.2	56.2	56.4	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
≥ 8000	53.2	57.2	57.4	57.7	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 7000	53.9	58.1	58.3	58.7	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
≥ 6000	54.4	58.7	58.9	59.3	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
≥ 5000	55.3	59.9	60.1	60.5	60.7	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 4500	56.1	60.7	60.9	61.3	61.5	61.6	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	56.6	61.5	61.7	62.1	62.3	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 3500	57.5	62.6	62.8	63.2	63.4	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 3000	59.1	64.9	65.1	65.6	65.8	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3
≥ 2500	60.5	67.7	68.1	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4
≥ 2000	61.6	70.3	70.7	71.2	71.5	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1
≥ 1800	62.0	71.3	71.8	72.3	72.6	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2
≥ 1500	63.3	74.9	75.6	76.5	76.8	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥ 1200	64.4	78.3	79.2	80.3	80.7	80.9	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1000	65.0	80.5	81.7	82.9	83.5	83.7	84.1	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 900	65.3	82.0	83.4	84.8	85.5	85.6	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.5
≥ 800	65.5	83.3	85.1	86.7	87.5	87.7	88.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.7
≥ 700	65.6	84.0	86.0	87.8	88.8	89.0	89.6	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	65.7	84.7	86.9	89.0	90.2	90.5	91.1	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.8	91.8
≥ 500	65.7	84.9	87.4	89.7	91.4	91.7	92.5	92.9	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5
≥ 400	65.7	85.0	87.5	90.1	92.0	92.5	93.4	94.0	94.1	94.4	94.7	94.7	94.8	94.8	94.8	94.9
≥ 300	65.7	85.1	87.6	90.3	92.4	92.9	94.0	94.8	95.1	95.9	96.4	96.5	96.7	96.7	96.9	97.0
≥ 200	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.6	96.6	97.4	97.5	98.0	98.1	98.5	98.8
≥ 100	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.6	96.7	97.5	97.7	98.3	98.4	99.1	99.6
≥ 0	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.6	96.7	97.6	97.7	98.3	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	32.3	37.7	38.2	38.6	38.8	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	34.9	41.1	41.7	42.0	42.2	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	35.0	41.3	41.9	42.2	42.4	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	35.3	41.9	42.4	42.8	43.0	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 14000	35.6	42.4	43.0	43.3	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 12000	35.9	42.9	43.4	43.8	44.0	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 10000	36.1	43.9	44.4	44.8	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	36.1	44.0	44.6	44.9	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 8000	36.2	44.2	44.8	45.1	45.3	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 7000	36.9	45.1	45.7	46.0	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	37.1	45.4	46.0	46.3	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 5000	37.2	46.1	46.7	47.0	47.2	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500	37.6	46.6	47.1	47.4	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 4000	37.9	46.9	47.4	47.8	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3500	37.9	47.1	47.7	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 3000	38.8	48.6	49.1	49.4	49.7	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 2500	40.0	51.9	52.4	52.9	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 2000	41.2	54.6	55.3	55.9	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 1800	41.4	55.9	56.7	57.2	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1500	43.1	62.3	63.2	64.0	64.4	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1200	45.1	69.6	70.7	71.6	72.0	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1000	46.1	74.9	76.8	78.0	78.4	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 900	46.4	77.2	79.8	81.2	81.8	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 800	46.6	80.6	84.0	85.8	86.3	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 700	46.6	82.9	86.4	88.9	89.6	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	46.6	83.7	87.8	90.7	91.3	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	46.6	84.7	89.2	92.4	93.2	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	46.6	84.9	89.4	92.9	93.9	94.2	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	46.6	85.0	89.6	93.3	94.3	94.7	95.6	96.4	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.3	98.3	98.7	98.7	98.7	98.8
≥ 100	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.6	98.6	98.9	99.0	99.6	99.7
≥ 0	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.6	98.6	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

C300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	22.6	27.9	28.3	28.8	29.2	29.2	29.3	29.3	29.4	29.4	29.4	29.7	30.0	30.0	30.1	30.2
≥ 20000	24.8	30.6	31.2	31.7	32.1	32.1	32.2	32.3	32.4	32.4	32.4	32.7	33.0	33.0	33.1	33.2
≥ 18000	25.1	30.9	31.6	32.0	32.4	32.4	32.6	32.7	32.8	32.8	32.8	33.0	33.3	33.3	33.4	33.6
≥ 16000	25.2	31.0	31.7	32.1	32.6	32.6	32.7	32.8	32.9	32.9	32.9	33.1	33.4	33.4	33.6	33.7
≥ 14000	25.6	31.3	32.0	32.4	32.9	32.9	33.0	33.1	33.2	33.2	33.2	33.4	33.8	33.8	33.9	34.0
≥ 12000	26.1	32.1	32.8	33.2	33.7	33.7	33.8	33.9	34.0	34.0	34.0	34.2	34.6	34.6	34.7	34.8
≥ 10000	27.2	33.3	34.0	34.4	34.9	34.9	35.0	35.1	35.2	35.2	35.2	35.4	35.8	35.8	35.9	36.0
≥ 9000	27.3	33.7	34.3	34.8	35.2	35.2	35.3	35.4	35.6	35.6	35.6	35.8	36.1	36.1	36.2	36.3
≥ 8000	27.6	33.9	34.6	35.0	35.4	35.4	35.6	35.7	35.8	35.8	35.8	36.0	36.3	36.3	36.4	36.6
≥ 7000	27.8	34.3	35.0	35.4	35.9	35.9	36.0	36.1	36.2	36.2	36.2	36.4	36.8	36.8	36.9	37.0
≥ 6000	28.3	35.0	35.7	36.1	36.6	36.6	36.7	36.8	36.9	36.9	36.9	37.1	37.4	37.4	37.6	37.7
≥ 5000	29.0	36.3	37.0	37.4	37.9	37.9	38.0	38.1	38.2	38.2	38.2	38.4	38.8	38.8	38.9	39.0
≥ 4500	29.0	36.6	37.3	37.8	38.2	38.2	38.3	38.4	38.6	38.6	38.6	38.8	39.1	39.1	39.2	39.3
≥ 4000	29.1	37.1	37.9	38.3	38.8	38.8	38.9	39.0	39.1	39.1	39.1	39.3	39.7	39.7	39.8	39.9
≥ 3500	29.1	37.3	38.1	38.6	39.0	39.0	39.1	39.2	39.3	39.3	39.3	39.6	39.9	39.9	40.0	40.1
≥ 3000	30.4	39.1	39.9	40.4	40.9	40.9	41.0	41.1	41.2	41.2	41.2	41.4	41.8	41.8	41.9	42.0
≥ 2500	31.8	42.2	43.0	43.8	44.2	44.2	44.3	44.4	44.6	44.6	44.6	44.8	45.1	45.1	45.2	45.3
≥ 2000	32.9	47.1	48.6	49.7	50.1	50.1	50.3	50.4	50.6	50.6	50.6	50.8	51.1	51.1	51.2	51.3
≥ 1800	33.1	48.0	49.6	50.8	51.2	51.2	51.4	51.6	51.7	51.7	51.7	51.9	52.2	52.2	52.3	52.4
≥ 1500	33.9	52.3	54.8	56.3	56.9	56.9	57.1	57.3	57.4	57.4	57.4	57.7	58.0	58.0	58.1	58.2
≥ 1200	34.8	57.8	60.6	62.2	62.9	62.9	63.1	63.3	63.4	63.4	63.6	63.8	64.1	64.1	64.2	64.4
≥ 1000	35.3	61.3	65.1	66.9	67.7	67.7	68.1	68.4	68.6	68.6	68.8	69.0	69.3	69.3	69.4	69.7
≥ 900	35.3	63.8	68.2	70.3	71.2	71.2	71.8	72.1	72.2	72.2	72.6	72.8	73.1	73.1	73.2	73.4
≥ 800	35.6	66.4	72.0	75.0	76.2	76.2	76.9	77.2	77.3	77.3	77.7	77.9	78.2	78.2	78.3	78.6
≥ 700	35.8	68.7	74.6	78.2	79.8	79.8	80.6	81.0	81.2	81.2	81.6	81.8	82.1	82.1	82.2	82.4
≥ 600	35.9	70.2	76.4	81.0	82.8	82.8	83.9	84.3	84.6	84.7	85.0	85.2	85.6	85.6	85.7	85.9
≥ 500	35.9	70.7	77.2	82.2	84.7	84.8	86.0	86.7	86.9	87.0	87.3	87.6	87.9	87.9	88.0	88.2
≥ 400	35.9	71.3	78.6	84.1	87.0	87.2	88.9	89.6	89.8	89.9	90.3	90.6	90.9	90.9	91.3	91.6
≥ 300	35.9	71.4	78.8	84.9	88.2	88.6	91.3	92.3	92.8	93.7	94.3	94.6	95.0	95.0	95.4	95.7
≥ 200	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.0	96.2	96.8	96.8	97.6	97.9
≥ 100	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.1	96.3	97.0	97.2	98.4	99.1
0	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.1	96.3	97.0	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 903

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.9	24.4	25.1	25.1	25.2	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.7	25.8	26.3	26.4
≥ 20000	22.8	28.1	29.0	29.1	29.2	29.3	29.4	29.6	29.6	29.7	29.7	29.7	29.9	30.0	30.6	30.7
≥ 18000	23.1	28.4	29.4	29.6	29.7	29.8	29.9	30.0	30.0	30.1	30.1	30.1	30.3	30.4	31.0	31.1
≥ 16000	23.1	28.4	29.4	29.6	29.7	29.8	29.9	30.0	30.0	30.1	30.1	30.1	30.3	30.4	31.0	31.1
≥ 14000	23.8	29.2	30.2	30.3	30.4	30.6	30.7	30.8	30.8	30.9	30.9	30.9	31.1	31.2	31.8	31.9
≥ 12000	24.6	30.0	31.0	31.1	31.2	31.3	31.4	31.6	31.6	31.7	31.7	31.7	31.9	32.0	32.6	32.7
≥ 10000	25.6	31.4	32.4	32.6	32.7	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.3	33.4	34.0	34.1
≥ 9000	25.9	31.8	32.8	32.9	33.0	33.1	33.2	33.3	33.3	33.4	33.4	33.4	33.7	33.8	34.3	34.4
≥ 8000	26.2	32.8	33.8	33.9	34.0	34.1	34.2	34.3	34.3	34.6	34.6	34.6	34.8	34.9	35.4	35.6
≥ 7000	26.8	33.6	34.6	34.7	34.8	34.9	35.0	35.1	35.1	35.4	35.4	35.4	35.7	35.8	36.3	36.4
≥ 6000	27.0	33.8	34.8	34.9	35.0	35.1	35.2	35.3	35.3	35.7	35.7	35.7	35.9	36.0	36.6	36.7
≥ 5000	28.8	36.4	37.4	37.6	37.7	37.8	37.9	38.0	38.0	38.3	38.3	38.3	38.6	38.7	39.2	39.3
≥ 4500	29.1	37.1	38.1	38.2	38.3	38.4	38.7	38.8	38.8	39.1	39.1	39.1	39.3	39.4	40.0	40.1
≥ 4000	29.6	37.8	38.9	39.1	39.2	39.3	39.6	39.7	39.7	40.0	40.0	40.0	40.2	40.3	40.9	41.0
≥ 3500	29.8	38.4	39.8	40.1	40.2	40.3	40.6	40.7	40.7	41.0	41.0	41.0	41.2	41.3	41.9	42.0
≥ 3000	30.1	39.2	40.6	40.9	41.1	41.2	41.4	41.6	41.6	41.9	41.9	41.9	42.1	42.2	42.8	42.9
≥ 2500	31.2	41.9	43.6	44.0	44.6	44.7	44.9	45.0	45.0	45.3	45.3	45.3	45.6	45.7	46.2	46.3
≥ 2000	32.4	45.6	47.6	48.3	49.2	49.4	49.7	49.9	49.9	50.2	50.2	50.2	50.4	50.6	51.1	51.2
≥ 1800	33.0	46.4	48.6	49.4	50.6	50.8	51.0	51.2	51.2	51.6	51.6	51.6	51.8	51.9	52.4	52.6
≥ 1500	33.7	49.4	52.3	54.0	55.8	56.0	56.2	56.6	56.6	56.9	56.9	56.9	57.1	57.2	57.8	57.9
≥ 1200	34.0	52.7	56.0	58.4	60.3	60.6	60.9	61.3	61.3	61.8	61.8	61.8	62.1	62.2	62.8	62.9
≥ 1000	34.3	54.8	58.8	61.9	64.4	64.9	65.6	66.1	66.2	66.7	66.7	66.7	67.0	67.1	67.7	67.8
≥ 900	34.7	56.9	61.7	64.9	67.6	68.0	68.7	69.2	69.3	69.8	69.8	69.8	70.2	70.3	70.9	71.0
≥ 800	34.7	58.8	65.0	69.0	72.0	72.6	73.3	73.9	74.0	74.7	74.8	74.8	75.2	75.3	75.9	76.0
≥ 700	35.0	59.8	66.0	70.7	74.2	75.4	76.4	77.0	77.1	77.9	78.0	78.0	78.4	78.6	79.1	79.2
≥ 600	35.1	60.8	67.3	72.6	76.8	78.2	79.6	80.2	80.6	81.4	81.6	81.6	82.0	82.1	82.7	82.8
≥ 500	35.1	61.2	67.9	73.3	78.4	80.0	81.4	82.3	82.7	83.7	83.8	83.8	84.3	84.4	85.0	85.1
≥ 400	35.1	61.6	68.2	74.0	79.4	81.1	83.3	85.2	86.0	87.6	88.0	88.0	88.6	88.7	89.2	89.3
≥ 300	35.1	61.6	68.3	74.2	79.8	81.8	84.6	86.9	87.7	90.1	91.3	91.4	92.2	92.3	93.1	93.3
≥ 200	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.0	93.2	94.8	95.1	96.2	97.0
≥ 100	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.1	93.3	95.0	95.8	97.8	99.6
≥ 0	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.1	93.3	95.0	95.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	23.1	32.4	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	33.1	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	33.1	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	33.7	39.3	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000	34.3	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 12000	35.3	41.2	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	36.1	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 9000	36.3	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	37.4	44.3	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	38.1	45.1	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	38.4	45.4	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 5000	39.7	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 4500	39.7	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 4000	40.1	48.1	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 3500	40.8	49.2	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 3000	41.2	50.3	51.4	51.8	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 2500	43.2	55.0	56.1	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	45.2	61.2	62.4	63.4	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 1800	45.8	62.6	63.9	65.0	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1500	46.8	68.8	70.8	72.7	72.9	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1200	48.3	74.0	76.7	78.9	79.3	79.4	79.4	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1000	48.9	77.1	80.4	83.2	83.8	83.9	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 900	49.0	78.7	82.3	85.2	85.9	86.0	86.1	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 800	49.1	79.6	83.8	86.9	88.0	88.1	88.2	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	49.2	80.0	84.3	87.9	89.4	89.6	89.9	90.3	90.3	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	49.2	80.1	84.6	88.7	90.9	91.3	91.9	92.4	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	49.2	80.4	84.9	89.1	91.4	92.0	92.7	93.6	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	49.2	80.6	85.0	89.4	92.1	92.8	93.7	94.8	95.0	95.7	96.0	96.0	96.1	96.1	96.1	96.1
≥ 300	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	96.8	97.6	97.6	97.8	97.9	97.9	97.9
≥ 200	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	97.0	98.4	98.6	99.1	99.4	99.8	99.8
≥ 100	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	97.0	98.4	98.6	99.1	99.4	99.9	100.0
≥ 0	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	97.0	98.4	98.6	99.1	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	47.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 18000	47.6	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	48.3	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	49.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	49.9	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 10000	51.0	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 9000	51.1	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000	52.2	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	52.9	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	52.9	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 5000	54.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 4500	54.7	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 4000	56.8	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3500	59.0	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3000	61.3	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 2500	64.4	80.2	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2000	65.7	83.7	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800	65.9	84.8	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	66.4	87.4	88.7	89.2	89.3	89.4	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	66.7	89.0	90.4	91.2	91.3	91.4	91.4	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9
IV 1000	66.8	90.1	91.6	92.3	92.6	92.7	92.7	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
IV 900	66.8	90.2	92.1	93.0	93.3	93.4	93.4	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	66.8	90.2	92.1	93.1	93.6	93.7	93.7	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	66.8	90.7	92.7	94.0	94.6	94.7	94.7	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	66.8	90.7	92.8	94.1	94.9	95.0	95.3	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 500	66.8	90.7	92.8	94.3	95.2	95.3	95.7	96.9	97.0	97.2	97.4	97.4	97.6	97.6	97.6	97.6
IV 400	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.0	97.4	98.0	98.6	98.6	98.7	98.7	98.7	98.7
IV 300	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.8	99.4	99.4	99.7	99.7	99.7	99.7
IV 200	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.8	99.6	99.6	99.9	100.0	100.0	100.0
IV 100	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.8	99.6	99.6	99.9	100.0	100.0	100.0
IV 0	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.8	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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RANDOLPH AFB TX

70,73-81

APR

STATION

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	44.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	55.8	58.7	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 18000	56.7	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	57.3	60.0	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000	58.0	61.0	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	58.3	61.4	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	59.9	63.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 9000	60.3	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	61.7	65.9	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	62.6	67.1	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	63.2	68.0	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	64.4	69.7	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	64.9	70.2	70.3	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	67.3	73.4	73.6	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	69.7	76.9	77.0	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	71.4	81.8	81.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	73.7	86.6	86.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	74.3	88.3	88.8	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	74.6	89.0	89.7	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	75.0	90.7	91.4	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	75.2	91.8	92.9	94.4	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	75.4	92.6	93.9	95.4	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	75.4	92.8	94.1	95.9	96.4	96.4	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	75.7	93.0	94.3	96.2	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	75.8	93.4	94.8	96.9	97.7	97.7	97.9	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 600	75.9	93.6	94.9	97.1	98.0	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6
≥ 500	75.9	93.7	95.0	97.3	98.3	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 400	75.9	93.7	95.0	97.4	98.4	98.4	98.8	98.8	98.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4
≥ 300	75.9	93.7	95.1	97.6	98.6	98.6	98.9	99.0	99.1	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	75.9	93.7	95.1	97.6	98.6	98.6	98.9	99.0	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	75.9	93.7	95.1	97.6	98.6	98.6	98.9	99.0	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	75.9	93.7	95.1	97.6	98.6	98.6	98.9	99.0	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.0	48.1	48.2	48.2	48.2	46.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	59.4	65.0	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	60.2	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000	60.8	66.8	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000	62.3	68.3	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 12000	62.7	69.3	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	63.6	70.6	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	64.1	71.2	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	65.6	72.7	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	66.6	74.2	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	66.9	75.0	75.3	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	67.1	75.7	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	67.9	76.6	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	68.9	78.8	79.2	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	70.3	81.7	82.1	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	70.8	82.7	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	73.2	87.4	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	73.3	89.2	90.3	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	73.4	89.6	90.9	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	74.0	90.9	92.3	93.1	93.6	93.6	93.6	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	74.1	91.7	93.3	94.2	94.7	94.7	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	74.4	92.7	94.4	95.9	96.3	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	74.6	92.9	94.7	96.1	96.6	96.8	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	74.6	92.9	95.1	96.8	97.2	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	74.6	92.9	95.2	96.9	97.4	97.9	97.9	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	74.6	93.0	95.4	97.1	97.7	98.1	98.1	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	74.6	93.0	95.4	97.2	97.8	98.3	98.3	98.6	98.7	98.7	98.9	98.9	99.1	99.1	99.1	99.1
≥ 400	74.6	93.0	95.4	97.2	97.8	98.4	98.6	98.9	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4
≥ 300	74.6	93.0	95.4	97.2	97.9	98.8	98.9	99.3	99.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	74.6	93.0	95.4	97.2	97.9	98.8	98.9	99.3	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	74.6	93.0	95.4	97.2	97.9	98.8	98.9	99.3	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	74.6	93.0	95.4	97.2	97.9	98.8	98.9	99.3	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9CC

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.6	48.6	48.9	49.0	49.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	50.2	56.1	56.7	56.8	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	50.9	56.8	57.3	57.4	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	51.6	57.4	58.0	58.1	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	52.6	58.7	59.2	59.3	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	52.9	59.3	59.9	60.0	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	53.1	59.8	60.3	60.4	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	54.0	60.7	61.2	61.3	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	54.2	61.0	61.6	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	54.4	61.8	62.3	62.4	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 5000	54.6	62.0	62.6	62.7	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	55.3	63.2	63.8	63.9	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	55.8	63.7	64.2	64.3	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	56.2	64.4	65.0	65.1	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	56.6	65.4	66.0	66.1	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 2500	57.4	67.6	68.2	68.3	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2000	59.1	71.0	71.8	72.2	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1800	60.2	74.0	75.2	75.8	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1500	61.2	76.1	77.3	77.9	78.3	78.3	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1200	64.0	82.1	83.4	84.1	84.7	84.7	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	64.8	84.9	86.7	87.4	88.0	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	65.2	87.3	89.7	90.7	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	65.2	87.4	90.1	91.3	92.1	92.1	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	65.2	88.8	92.2	93.4	94.3	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	65.2	89.1	92.7	93.9	95.0	95.0	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	65.2	89.9	93.4	94.3	96.0	96.1	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	65.2	90.1	93.9	95.2	96.6	96.9	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	65.2	90.1	93.9	95.6	96.9	97.2	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	65.2	90.1	93.9	95.8	97.1	97.4	97.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.2	99.4
≥ 100	65.2	90.1	93.9	95.8	97.1	97.4	97.4	98.0	98.0	99.2	99.2	99.4	99.4	99.4	99.6	99.8
≥ 0	65.2	90.1	93.9	95.8	97.1	97.4	97.4	98.0	98.0	99.1	99.1	99.3	99.6	99.6	99.7	99.9
≥ 0	65.2	90.1	93.9	95.8	97.1	97.4	98.0	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.6	38.4	38.7	38.9	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3
≥ 20000	41.0	46.1	46.6	46.7	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.2	47.2	47.3	47.3
≥ 18000	41.5	46.6	47.0	47.2	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.8	47.8
≥ 16000	41.9	47.1	47.6	47.7	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3
≥ 14000	42.6	48.0	48.5	48.6	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
≥ 12000	43.2	48.8	49.3	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.0	50.0
≥ 10000	44.1	50.3	50.7	50.9	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5
≥ 9000	44.4	50.7	51.1	51.3	51.5	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.9	51.9
≥ 8000	45.1	51.6	52.1	52.3	52.5	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.9	52.9
≥ 7000	45.7	52.6	53.1	53.3	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.8	53.8	53.9
≥ 6000	46.1	53.0	53.5	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.3	54.3
≥ 5000	47.0	54.5	55.1	55.3	55.5	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 4500	47.3	55.0	55.6	55.8	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4
≥ 4000	48.2	56.4	57.0	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.9	57.9
≥ 3500	49.1	58.1	58.7	59.0	59.2	59.2	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.6
≥ 3000	50.2	60.2	60.9	61.3	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.9	62.0
≥ 2500	52.1	64.5	65.4	66.0	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.7
≥ 2000	53.2	68.0	69.1	69.9	70.2	70.3	70.3	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.7	70.7
≥ 1800	53.6	69.0	70.3	71.2	71.5	71.6	71.7	71.8	71.8	71.8	71.9	71.9	72.0	72.0	72.1	72.1
≥ 1500	54.6	73.0	74.6	75.8	76.3	76.4	76.5	76.7	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.0
≥ 1200	55.4	76.4	78.4	79.8	80.4	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.2	81.3
≥ 1000	55.8	78.8	81.3	83.0	83.8	84.0	84.2	84.4	84.5	84.6	84.7	84.7	84.8	84.8	84.9	84.9
≥ 900	55.9	80.0	82.9	84.8	85.6	85.7	86.0	86.2	86.3	86.4	86.5	86.5	86.6	86.6	86.7	86.7
≥ 800	56.0	81.3	84.8	87.0	88.1	88.2	88.5	88.8	88.8	89.0	89.0	89.1	89.2	89.2	89.3	89.3
≥ 700	56.1	82.2	85.8	88.4	89.7	90.0	90.3	90.7	90.7	90.9	91.0	91.0	91.1	91.2	91.2	91.3
≥ 600	56.2	82.7	86.6	89.5	91.0	91.4	91.9	92.3	92.4	92.6	92.7	92.8	92.9	92.9	93.0	93.0
≥ 500	56.2	83.1	87.0	90.2	92.0	92.4	93.0	93.6	93.7	94.0	94.1	94.2	94.3	94.3	94.4	94.5
≥ 400	56.2	83.2	87.3	90.6	92.6	93.1	94.0	94.8	95.1	95.5	95.7	95.8	95.9	96.0	96.1	96.1
≥ 300	56.2	83.3	87.4	90.8	92.9	93.5	94.6	95.7	96.0	96.8	97.3	97.3	97.6	97.6	97.8	97.9
≥ 200	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.0	98.1	98.6	98.7	99.0	99.2
≥ 100	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.1	98.2	98.7	98.9	99.4	99.8
≥ 0	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.1	98.2	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	31.5	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	34.2	46.6	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	34.4	46.8	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	34.4	46.8	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	34.5	47.1	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	34.9	48.2	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	35.5	48.8	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	35.5	48.8	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	35.8	49.7	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 7000	36.1	50.1	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000	36.3	50.8	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000	36.6	51.2	51.8	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	37.3	52.4	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 4000	37.7	52.9	53.5	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3500	38.9	54.2	54.8	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	39.4	54.9	55.6	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 2500	40.1	57.6	58.4	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2000	41.5	62.3	63.2	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1800	41.6	63.2	64.2	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1500	42.9	68.9	70.0	71.0	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1200	43.2	73.1	74.2	75.3	76.1	76.1	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1000	44.9	79.9	81.4	82.6	83.8	83.8	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	45.5	81.7	83.5	84.8	86.0	86.0	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 800	46.2	84.1	86.6	88.4	89.9	90.1	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 700	46.5	86.2	88.9	91.1	92.6	92.8	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	46.6	87.3	90.1	92.3	94.1	94.3	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	46.6	88.2	91.2	93.7	95.5	95.7	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400	46.6	88.6	91.8	95.1	97.0	97.2	98.3	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	46.6	88.6	91.8	95.1	97.0	97.2	98.3	98.5	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	46.6	88.6	91.8	95.1	97.0	97.2	98.4	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	46.6	88.6	91.8	95.1	97.0	97.2	98.4	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	46.6	88.6	91.8	95.1	97.0	97.2	98.4	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

AD-A113 704

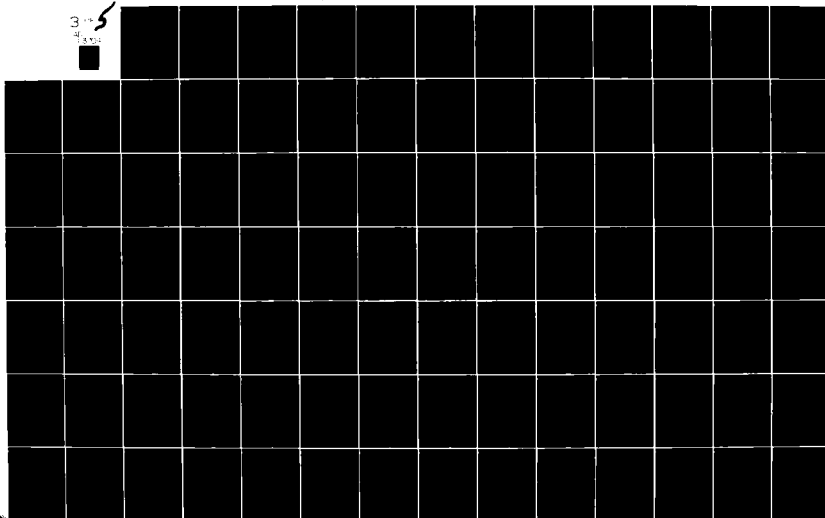
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED USAFETAC/DS-82/012

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	22.8	29.7	37.2	30.5	31.0	31.0	31.3	31.3	31.3	31.5	31.5	31.5	31.5	31.5	31.7	31.7
≥ 20000	24.4	32.0	32.7	33.3	33.8	33.8	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.5	34.5
≥ 18000	24.4	32.2	32.8	33.4	33.9	33.9	34.2	34.2	34.2	34.5	34.6	34.6	34.6	34.6	34.8	34.8
≥ 16000	24.4	32.3	32.9	33.5	34.0	34.0	34.3	34.3	34.3	34.6	34.7	34.7	34.7	34.7	34.9	34.9
≥ 14000	24.4	32.3	32.9	33.5	34.0	34.0	34.3	34.3	34.3	34.6	34.7	34.7	34.7	34.7	34.9	34.9
≥ 12000	25.2	33.3	34.0	34.6	35.1	35.1	35.4	35.4	35.4	35.7	35.8	35.8	35.8	35.8	36.0	36.0
≥ 10000	25.3	33.9	34.5	35.2	35.6	35.6	35.9	35.9	35.9	36.2	36.3	36.3	36.3	36.3	36.6	36.6
≥ 9000	25.3	33.9	34.5	35.2	35.6	35.6	35.9	35.9	35.9	36.2	36.3	36.3	36.3	36.3	36.6	36.6
≥ 8000	25.8	34.9	35.6	36.2	36.7	36.7	37.0	37.0	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.6
≥ 7000	26.2	35.6	36.2	36.9	37.3	37.3	37.6	37.6	37.6	38.0	38.1	38.1	38.1	38.1	38.3	38.3
≥ 6000	26.5	35.8	36.5	37.1	37.5	37.5	37.8	37.8	37.8	38.2	38.3	38.3	38.3	38.3	38.5	38.5
≥ 5000	27.0	36.3	37.0	37.7	38.2	38.2	38.5	38.5	38.5	38.8	38.9	38.9	38.9	38.9	39.1	39.1
≥ 4500	27.8	37.8	38.5	39.2	39.7	39.7	40.0	40.0	40.0	40.3	40.4	40.4	40.4	40.4	40.6	40.6
≥ 4000	28.2	38.7	39.5	40.3	40.8	40.8	41.1	41.1	41.1	41.4	41.5	41.5	41.5	41.5	41.7	41.7
≥ 3500	28.6	39.5	40.4	41.5	42.0	42.0	42.4	42.4	42.4	42.7	42.8	42.8	42.8	42.8	43.0	43.0
≥ 3000	28.7	39.7	40.6	41.9	42.5	42.5	42.8	42.8	42.8	43.1	43.2	43.2	43.2	43.2	43.4	43.4
≥ 2500	29.7	42.3	43.2	44.7	45.4	45.4	45.7	45.7	45.7	46.0	46.1	46.1	46.1	46.1	46.3	46.3
≥ 2000	30.9	46.1	47.4	49.2	50.2	50.3	50.6	50.6	50.6	51.0	51.2	51.2	51.2	51.2	51.4	51.4
≥ 1800	31.2	46.8	48.2	50.0	51.0	51.1	51.4	51.4	51.4	51.7	51.9	51.9	51.9	51.9	52.2	52.2
≥ 1500	32.6	52.3	54.2	56.6	58.0	58.1	58.5	58.5	58.5	58.8	59.0	59.0	59.0	59.0	59.2	59.2
≥ 1200	33.3	58.5	61.1	63.7	65.3	65.5	65.9	65.9	65.9	66.2	66.5	66.5	66.5	66.5	66.7	66.7
≥ 1000	34.1	63.0	66.0	69.2	71.4	71.6	72.2	72.2	72.2	72.5	72.7	72.7	72.7	72.7	72.9	72.9
≥ 900	34.7	65.8	69.2	72.6	74.7	74.9	75.5	75.5	75.5	75.8	76.0	76.0	76.0	76.0	76.2	76.2
≥ 800	35.2	69.6	74.0	77.6	80.2	80.4	81.1	81.2	81.2	81.5	81.7	81.7	81.7	81.7	81.9	81.9
≥ 700	35.3	71.6	76.3	80.9	83.7	83.9	84.6	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.7	85.7
≥ 600	35.5	73.7	78.9	83.8	87.0	87.2	88.1	88.3	88.3	88.6	88.9	88.9	88.9	88.9	89.1	89.1
≥ 500	35.7	74.5	80.2	85.5	89.0	89.2	90.5	90.8	90.8	91.3	91.6	91.6	91.6	91.6	91.8	91.8
≥ 400	35.8	74.9	81.3	87.4	91.5	91.7	93.1	93.5	93.5	94.1	94.5	94.5	94.5	94.5	94.7	94.8
≥ 300	35.8	75.1	81.6	88.0	92.6	92.9	94.6	95.1	95.1	95.7	96.3	96.3	96.5	96.5	96.7	96.8
≥ 200	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.7	95.7	96.5	97.4	97.6	98.3	98.3	98.8	98.9
≥ 100	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.9	95.9	96.8	97.7	98.0	98.6	98.6	99.2	99.8
≥ 0	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.9	95.9	96.8	97.7	98.0	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	18.8	24.7	25.3	25.6	26.1	26.3	26.6	26.7	26.9	26.9	27.0	27.1	27.2	27.3	27.5	27.7
≥ 20000	20.5	28.4	29.0	29.4	30.1	30.3	30.5	30.8	31.0	31.0	31.1	31.2	31.3	31.4	31.6	31.9
≥ 18000	20.5	28.4	29.0	29.4	30.1	30.3	30.5	30.8	31.0	31.0	31.1	31.2	31.3	31.4	31.7	32.0
≥ 16000	20.5	28.4	29.0	29.4	30.1	30.3	30.5	30.8	31.0	31.0	31.1	31.2	31.3	31.4	31.7	32.0
≥ 14000	21.1	29.0	29.7	30.0	30.8	31.0	31.2	31.4	31.6	31.6	31.7	31.8	31.9	32.0	32.4	32.7
≥ 12000	21.2	29.7	30.3	30.6	31.4	31.6	31.8	32.2	32.4	32.4	32.5	32.6	32.7	32.8	33.2	33.5
≥ 10000	21.7	30.4	31.1	31.4	32.2	32.4	32.6	32.9	33.1	33.1	33.2	33.3	33.4	33.5	34.0	34.3
≥ 9000	22.2	30.9	31.5	31.8	32.6	32.8	33.0	33.3	33.5	33.5	33.7	33.8	33.9	34.0	34.4	34.7
≥ 8000	22.6	31.7	32.4	32.8	33.5	33.8	34.0	34.3	34.5	34.5	34.6	34.7	34.8	34.9	35.4	35.7
≥ 7000	22.8	32.0	32.7	33.1	34.0	34.2	34.4	34.7	34.9	34.9	35.1	35.2	35.3	35.4	35.8	36.1
≥ 6000	23.1	32.7	33.3	33.8	34.7	34.9	35.2	35.5	35.7	35.7	35.8	35.9	36.0	36.1	36.6	36.9
≥ 5000	23.7	33.5	34.2	34.6	35.7	35.9	36.1	36.5	36.7	36.7	36.8	36.9	37.0	37.1	37.5	37.8
≥ 4500	24.1	34.2	34.8	35.3	36.3	36.6	36.8	37.1	37.3	37.3	37.4	37.5	37.6	37.7	38.2	38.5
≥ 4000	24.2	34.5	35.2	35.7	36.9	37.1	37.3	37.6	37.8	37.8	38.0	38.1	38.2	38.3	38.7	39.0
≥ 3500	24.4	35.3	35.9	36.5	37.6	37.8	38.1	38.4	38.6	38.6	38.7	38.8	38.9	39.0	39.5	39.8
≥ 3000	24.6	35.7	36.5	37.0	38.2	38.4	38.6	38.9	39.1	39.1	39.2	39.4	39.5	39.6	40.0	40.3
≥ 2500	26.0	39.6	40.4	41.1	42.5	42.8	43.0	43.3	43.5	43.5	43.7	43.8	43.9	44.0	44.4	44.7
≥ 2000	26.7	43.2	44.7	45.8	47.5	47.8	48.1	48.5	48.8	48.9	49.0	49.1	49.4	49.5	50.0	50.3
≥ 1800	27.1	44.3	45.9	47.1	48.9	49.4	49.7	50.1	50.4	50.5	50.6	50.8	51.0	51.1	51.6	51.9
≥ 1500	27.8	48.9	51.1	53.1	55.8	56.2	56.7	57.1	57.5	57.6	57.7	57.8	58.1	58.2	58.7	59.0
≥ 1200	28.5	53.5	56.5	59.0	61.8	62.3	62.7	63.2	63.7	63.8	63.9	64.0	64.2	64.3	64.8	65.2
≥ 1000	29.4	57.5	60.8	63.8	67.2	67.7	68.4	69.0	69.5	69.7	69.9	70.0	70.2	70.3	70.9	71.2
≥ 900	29.5	62.0	65.7	69.5	73.0	73.5	74.5	75.2	75.6	75.8	76.0	76.1	76.3	76.5	77.0	77.3
≥ 800	29.8	64.8	69.4	73.8	78.1	78.7	79.9	80.5	81.0	81.3	81.6	81.7	81.9	82.0	82.6	82.9
≥ 700	29.9	65.9	70.8	75.8	81.0	81.6	83.3	84.1	84.5	85.2	85.6	85.7	85.9	86.0	86.6	86.9
≥ 600	29.9	66.6	71.9	78.2	84.1	84.7	86.5	87.4	87.8	88.5	88.9	89.0	89.4	89.5	90.0	90.3
≥ 500	30.1	67.1	73.2	79.7	86.0	87.0	88.9	90.1	90.5	91.3	91.7	91.8	92.3	92.4	92.9	93.2
≥ 400	30.1	67.4	73.8	80.5	87.3	88.6	91.0	92.6	93.0	94.0	94.6	94.7	95.2	95.3	95.8	96.1
≥ 300	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.2	95.6	96.3	96.6	97.1	97.4	98.1	98.5
≥ 200	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.7	99.5
≥ 100	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.8	99.9
≥ 0	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	27.7	33.3	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	31.3	38.7	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	31.5	38.9	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000	31.5	38.9	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000	31.8	39.9	39.9	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	32.6	41.0	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 10000	33.1	42.3	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	33.3	42.5	42.5	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	34.1	43.4	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	34.7	44.2	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 6000	35.1	44.7	44.7	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 5000	35.9	45.9	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	36.2	46.5	46.5	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000	36.9	47.3	47.4	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3500	37.6	48.3	48.5	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 3000	39.9	51.7	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 2500	44.0	59.5	60.3	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2000	46.3	68.9	70.4	71.2	71.4	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 1800	47.0	70.4	71.9	72.8	73.0	73.1	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1500	48.8	77.0	79.2	80.5	80.8	81.0	81.3	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1200	50.3	83.3	85.8	87.4	87.6	88.0	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	50.6	85.4	88.4	90.2	90.9	91.2	91.7	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	50.9	86.2	89.5	91.3	92.0	92.4	92.9	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	50.9	86.5	89.7	92.0	93.2	93.7	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	50.9	87.3	90.5	93.0	94.6	95.1	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	50.9	87.4	90.6	93.4	95.4	95.8	96.6	97.1	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	50.9	87.4	90.8	93.5	95.7	96.1	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	50.9	87.5	91.0	93.8	95.9	96.3	97.4	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥0
NO CEILING	38.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	42.9	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	43.1	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 16000	43.7	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 14000	44.2	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	44.9	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	46.8	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 9000	46.8	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	47.4	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 7000	48.5	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	48.8	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 5000	49.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	50.3	59.5	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 4000	52.6	63.0	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 3500	55.5	67.5	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000	60.4	76.3	76.3	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2500	64.3	85.9	85.9	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 2000	65.8	90.9	90.9	91.9	92.5	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	65.8	91.4	91.4	92.5	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	66.5	92.7	92.7	94.2	95.2	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	66.7	94.0	94.3	96.1	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	66.7	94.3	94.6	96.8	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	66.7	94.3	94.7	97.0	98.0	98.0	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	66.7	94.4	94.8	97.2	98.3	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	66.7	94.4	94.8	97.2	98.3	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	66.7	94.4	94.8	97.3	98.4	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	66.7	94.4	94.8	97.3	98.4	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-1 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	54.1	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	54.2	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	54.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	54.9	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	55.8	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	57.6	67.8	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	57.7	68.1	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	58.4	68.8	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	59.1	69.8	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 6000	59.2	71.0	71.2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 5000	60.3	72.6	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	60.6	73.7	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	63.7	77.6	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	68.2	83.5	83.8	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	69.9	87.3	87.6	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	71.3	91.9	92.3	93.0	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	71.6	93.4	93.8	94.7	94.8	94.8	95.2	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	71.6	93.5	93.9	94.8	95.1	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	72.3	94.3	94.6	95.8	96.3	96.3	96.7	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	72.0	94.9	95.6	97.0	97.5	97.5	97.8	98.0	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

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MAY

STATION

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	46.1	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	58.0	67.7	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	58.4	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	58.4	68.1	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	58.8	68.9	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	60.5	70.9	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	61.7	73.1	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 9000	61.8	73.5	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	62.5	74.2	74.5	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	62.8	75.1	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	63.5	76.5	76.8	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 5000	64.4	77.7	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	65.0	79.3	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	67.0	82.1	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	68.3	84.7	85.1	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	69.8	88.9	89.3	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	70.2	91.5	92.1	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	71.0	93.0	93.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	71.2	93.3	94.2	95.3	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	71.5	93.7	94.7	95.8	96.4	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	71.5	94.2	95.4	96.5	97.3	97.3	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	71.7	94.6	95.8	97.0	97.8	97.8	97.8	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	71.7	94.7	96.0	97.2	98.1	98.1	98.1	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	71.7	94.8	96.1	97.4	98.3	98.3	98.3	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	71.7	94.8	96.2	97.5	98.4	98.4	98.5	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	46.7	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	52.0	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	52.5	63.6	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	53.1	64.8	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	54.2	66.0	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	54.2	66.0	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	54.6	66.7	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 7000	54.7	67.2	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	55.1	68.1	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	55.7	68.8	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	56.6	70.6	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	57.6	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	58.4	74.0	74.3	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	59.7	76.8	77.1	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	60.6	79.2	79.7	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2000	61.4	83.2	83.8	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	61.9	84.7	85.3	85.5	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	63.0	88.1	89.1	89.3	90.1	90.1	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200	63.8	92.2	93.3	93.5	94.3	94.3	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	64.3	94.1	95.6	95.9	96.8	96.8	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	64.5	94.3	95.8	96.1	97.0	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	64.6	94.9	96.7	97.0	98.2	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	64.7	95.0	96.9	97.2	98.4	98.4	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	64.7	95.0	96.9	97.2	98.4	98.4	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	64.7	95.0	97.1	97.4	98.6	98.6	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	34.8	41.5	41.7	41.8	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.3
≥ 20000	39.7	48.6	48.9	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.7
≥ 18000	39.8	48.8	49.1	49.4	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.9	49.9
≥ 16000	39.9	49.0	49.3	49.5	49.7	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.1	50.1
≥ 14000	40.3	49.6	49.9	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7
≥ 12000	41.0	50.7	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.8	51.9
≥ 10000	42.0	52.2	52.5	52.8	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4
≥ 9000	42.1	52.3	52.6	53.0	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.5	53.6
≥ 8000	42.6	53.1	53.5	53.9	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.5
≥ 7000	43.1	53.8	54.2	54.6	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.2	55.2
≥ 6000	43.4	54.6	54.9	55.3	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.9	55.9	56.0
≥ 5000	44.1	55.5	55.9	56.3	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
≥ 4500	44.8	56.7	57.1	57.5	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.2
≥ 4000	46.0	58.5	58.9	59.4	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.1	60.1
≥ 3500	47.5	60.9	61.3	61.8	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6	62.6
≥ 3000	49.0	63.9	64.4	65.0	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.8
≥ 2500	50.8	68.4	69.0	69.8	70.3	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7
≥ 2000	51.9	72.6	73.5	74.5	75.1	75.1	75.3	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.8	75.8
≥ 1800	52.2	73.4	74.4	75.4	76.0	76.1	76.3	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8
≥ 1500	53.1	77.0	78.2	79.5	80.5	80.6	80.9	81.0	81.1	81.2	81.3	81.3	81.4	81.4	81.5	81.5
≥ 1200	53.7	80.5	82.0	83.6	84.6	84.7	85.1	85.2	85.3	85.5	85.5	85.6	85.6	85.6	85.7	85.7
≥ 1000	54.2	83.0	84.8	86.6	87.9	88.1	88.5	88.7	88.8	89.0	89.1	89.1	89.2	89.2	89.3	89.3
≥ 900	54.4	84.3	86.3	88.2	89.6	89.7	90.2	90.4	90.5	90.7	90.9	90.9	90.9	90.9	91.0	91.0
≥ 800	54.6	85.5	87.9	90.1	91.8	92.0	92.5	92.7	92.8	93.1	93.2	93.3	93.3	93.3	93.4	93.4
≥ 700	54.7	86.3	88.8	91.3	93.1	93.3	93.9	94.2	94.3	94.7	94.8	94.8	94.8	94.9	95.0	95.0
≥ 600	54.7	86.8	89.4	92.1	94.2	94.4	95.1	95.5	95.7	96.0	96.2	96.2	96.2	96.2	96.3	96.4
≥ 500	54.8	87.1	89.9	92.8	95.0	95.2	96.1	96.5	96.7	97.1	97.2	97.3	97.3	97.3	97.4	97.5
≥ 400	54.9	87.3	90.3	93.4	95.7	96.0	97.0	97.5	97.7	98.1	98.4	98.4	98.4	98.5	98.5	98.6
≥ 300	54.9	87.3	90.3	93.4	95.9	96.2	97.3	97.8	98.1	98.6	98.9	99.0	99.1	99.1	99.2	99.3
≥ 200	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.2	99.4	99.5	99.6	99.7
≥ 100	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.3	99.4	99.5	99.7	99.9
≥ 0	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.3	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	42.5	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	44.7	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	45.1	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	45.2	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 14000	45.3	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	45.3	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 10000	45.6	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 9000	45.8	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 8000	46.4	58.5	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	46.6	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 6000	46.8	59.8	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 5000	47.6	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 4500	48.1	61.3	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 4000	48.4	61.8	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 3500	48.6	62.1	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 3000	49.2	62.8	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500	50.7	65.2	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 2000	53.2	69.1	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1800	54.5	70.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1500	59.6	78.5	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 1200	63.8	86.1	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1000	66.5	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 900	67.3	92.8	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 800	68.3	95.0	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	68.6	96.0	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	69.0	96.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	69.0	96.9	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	69.0	97.3	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.8	34.8	35.3	36.0	36.4	36.6	36.8	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	24.8	37.7	38.2	38.9	39.3	39.4	39.7	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	25.1	38.0	38.6	39.2	39.7	39.8	40.0	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000	25.3	38.3	38.9	39.6	40.0	40.1	40.3	40.4	40.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	25.6	38.9	39.4	40.1	40.6	40.7	40.9	41.0	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2
≥ 12000	25.8	39.1	39.7	40.3	40.8	40.9	41.1	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4
≥ 10000	25.9	39.7	40.2	40.9	41.3	41.4	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	25.9	39.7	40.2	40.9	41.3	41.4	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0
≥ 8000	26.4	40.3	40.9	41.6	42.0	42.1	42.3	42.4	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000	26.4	40.4	41.0	41.7	42.1	42.2	42.4	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8
≥ 6000	26.4	40.4	41.0	41.8	42.2	42.3	42.6	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9
≥ 5000	26.7	40.9	41.4	42.2	42.7	42.8	43.0	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4500	27.6	42.1	42.7	43.4	43.9	44.0	44.2	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4000	27.7	42.3	42.9	43.9	44.3	44.4	44.7	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1
≥ 3500	27.9	42.7	43.2	44.2	44.7	44.8	45.0	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4
≥ 3000	28.1	43.2	43.8	44.8	45.2	45.3	45.6	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0
≥ 2500	30.7	47.2	47.8	48.8	49.2	49.4	49.7	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2000	33.8	51.4	52.1	53.1	53.6	53.8	54.0	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
≥ 1800	35.1	53.3	54.0	55.0	55.6	55.8	56.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1500	38.6	60.6	61.3	62.4	63.0	63.3	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1200	41.2	68.0	69.1	70.6	71.1	71.4	71.8	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1000	45.0	75.2	76.9	78.3	79.2	79.6	79.9	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3
≥ 900	46.6	78.9	80.8	82.3	83.3	83.7	84.0	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 800	47.9	83.8	85.8	87.3	88.3	88.8	89.1	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	48.6	86.2	88.2	90.0	91.0	91.6	91.9	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	48.7	88.0	90.4	92.6	93.7	94.3	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	48.8	88.7	91.7	93.8	95.0	95.7	96.3	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400	48.8	89.2	92.6	94.8	96.1	96.9	97.6	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	48.8	89.3	92.8	95.1	96.7	97.4	98.4	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

PANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.9	26.2	27.9	29.7	30.1	30.4	31.0	31.3	31.4	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000	19.2	30.7	32.6	34.8	35.2	35.6	36.2	36.8	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 18000	19.3	30.8	32.7	34.9	35.3	35.7	36.3	36.9	37.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 16000	19.6	31.1	33.0	35.2	35.7	36.0	36.7	37.2	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 14000	20.3	32.2	34.1	36.4	36.9	37.2	37.9	38.4	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 12000	20.8	33.0	34.9	37.2	37.7	38.0	38.7	39.2	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 10000	21.3	34.0	35.9	38.2	38.7	39.0	39.7	40.2	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 9000	21.4	34.2	36.1	38.6	39.0	39.3	40.0	40.6	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 8000	21.9	34.7	36.6	39.0	39.4	39.8	40.4	41.0	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 7000	22.0	35.0	36.9	39.3	39.8	40.1	40.8	41.3	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 6000	22.1	35.2	37.1	39.6	40.0	40.3	41.0	41.6	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 5000	22.4	36.0	37.9	40.3	40.9	41.3	42.0	42.6	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 4500	22.8	36.4	38.3	40.8	41.3	41.8	42.4	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 4000	22.8	36.7	38.8	41.2	41.8	42.2	42.9	43.6	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 3500	22.8	36.7	38.8	41.2	41.8	42.2	42.9	43.6	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 3000	23.1	37.3	39.4	41.9	42.7	43.1	43.8	44.4	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 2500	24.7	39.7	42.1	44.6	45.4	45.9	46.6	47.2	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2000	29.9	47.1	49.7	52.1	53.0	53.6	54.3	55.1	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	31.1	49.4	52.0	54.6	55.4	56.0	56.8	57.6	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 1500	34.1	56.7	59.4	62.0	62.9	63.6	64.4	65.2	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1200	36.3	64.0	67.2	69.9	70.9	71.6	72.6	73.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1000	38.4	69.9	73.8	76.7	77.8	78.4	79.6	80.4	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 900	38.9	73.0	77.0	80.2	81.3	82.1	83.4	84.3	84.6	85.1	85.1	85.1	85.2	85.2	85.2	85.2
IV 800	39.4	75.1	79.6	82.9	84.4	85.3	86.7	87.7	87.9	88.4	88.4	88.4	88.6	88.6	88.6	88.6
IV 700	40.0	77.6	82.2	86.0	87.7	88.6	89.9	91.1	91.3	91.9	92.0	92.0	92.1	92.1	92.1	92.1
IV 600	40.0	78.6	83.7	87.4	89.2	90.3	91.8	93.2	93.4	94.0	94.1	94.1	94.2	94.2	94.2	94.2
IV 500	40.0	79.7	85.2	89.3	91.1	92.2	93.8	95.2	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.4
IV 400	40.1	80.1	85.7	89.8	91.8	93.0	94.8	96.2	96.4	97.2	97.6	97.6	97.7	97.7	97.7	97.7
IV 300	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.8	97.1	98.0	98.4	98.4	98.6	98.8	98.8	98.8
IV 200	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.3	99.4	99.4
IV 100	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.4	99.6	99.7
IV 0	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72236

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅓	≥⅓	≥0
NO CEILING	40.6	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	47.1	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	47.3	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	47.4	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 14000	48.5	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000	49.6	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	50.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	50.6	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000	51.5	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	51.5	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	51.8	65.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	52.8	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	53.5	66.9	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	53.9	67.4	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3500	55.7	69.6	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	58.8	73.3	74.2	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	63.2	79.5	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	66.5	85.0	86.0	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	67.4	86.2	87.2	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	69.5	91.3	92.3	92.5	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	70.5	94.1	95.1	95.3	95.4	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	71.7	95.9	97.1	97.2	97.3	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	71.9	96.3	97.6	97.9	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	72.0	96.9	98.1	98.4	98.6	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	72.1	97.0	98.2	98.7	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	72.0	97.0	98.2	98.7	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	72.1	97.2	98.6	99.0	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	59.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 20000	66.8	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 18000	67.9	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	68.1	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	70.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	71.0	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000	73.3	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	74.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 8000	75.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000	75.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	75.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000	76.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	76.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	77.8	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	81.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	83.9	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	86.1	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	86.6	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	86.6	97.2	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	87.0	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	87.7	98.0	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	87.0	98.1	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	87.0	98.2	98.6	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	87.1	98.4	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	87.1	98.6	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	87.1	98.7	99.0	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.1	98.7	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	87.1	98.7	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	70.3 77.2	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0	75.4 83.0
≥ 18000 IV 16000	78.7 78.4	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2	83.8 84.2
≥ 14000 IV 12000	80.2 81.3	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6	86.2 87.6
≥ 10000 IV 9000	83.0 83.4	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2	89.7 90.2
≥ 8000 IV 7000	84.4 85.7	91.3 92.1	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4	91.3 92.4
≥ 6000 IV 5000	85.7 85.3	92.1 92.6	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9	92.4 92.9
≥ 4500 IV 4000	85.9 87.2	93.3 94.9	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2	93.7 95.2
≥ 3500 IV 3000	88.6 89.4	96.3 97.3	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7	96.7 97.7
≥ 2500 IV 2000	90.0 90.2	98.0 98.3	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8
≥ 1800 IV 1500	90.2 90.3	98.4 98.6	98.8 98.9	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1
≥ 1200 IV 1000	90.3 90.3	98.7 98.8	99.0 99.1	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3
≥ 900 IV 800	90.3 90.3	98.8 99.1	99.2 99.6	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.3 99.7	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8
≥ 700 IV 600	90.3 90.3	99.1 99.1	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
≥ 500 IV 400	90.3 90.3	99.3 99.3	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 300 IV 200	90.3 90.3	99.3 99.3	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 100 IV 0	90.3 90.3	99.3 99.3	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥¼	≥0
NO CEILING	70.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 20000	80.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 18000	81.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000	82.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 14000	83.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 12000	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 10000	84.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 9000	85.3	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 8000	85.8	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 7000	86.4	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 6000	86.7	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 5000	87.0	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500	87.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	87.9	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3500	88.1	95.8	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 3000	88.9	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500	89.2	97.2	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	89.6	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	89.7	97.9	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500	90.0	98.3	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	90.1	98.6	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	67.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	72.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 18000	72.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 16000	72.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 14000	73.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	73.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 10000	74.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	75.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	75.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	75.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 6000	76.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	76.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	76.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	77.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	77.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	77.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	78.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	79.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	80.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	82.9	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	84.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	84.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	84.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	84.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	84.8	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	84.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	84.9	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	48.8	57.1	57.5	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	54.1	63.5	63.9	64.3	64.4	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	54.6	64.0	64.4	64.8	64.9	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	54.9	64.3	64.7	65.1	65.2	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000	55.8	65.6	66.0	66.4	66.5	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	56.4	66.3	66.7	67.1	67.2	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	57.4	67.8	68.2	68.6	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	57.7	68.2	68.6	69.0	69.1	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	58.4	68.9	69.4	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	58.6	69.4	69.9	70.3	70.4	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 6000	58.9	69.7	70.2	70.6	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	59.3	70.3	70.8	71.2	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	59.8	70.9	71.4	71.8	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	60.4	71.6	72.2	72.7	72.8	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	61.3	72.8	73.4	73.8	74.0	74.1	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	62.4	74.1	74.7	75.2	75.4	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	64.1	76.6	77.2	77.7	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	66.2	79.7	80.4	80.9	81.1	81.2	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	66.8	80.7	81.4	81.9	82.2	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	69.0	84.7	85.5	86.1	86.3	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	70.4	88.1	89.0	89.7	89.9	90.1	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	71.7	90.7	91.7	92.5	92.8	92.9	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	72.1	91.8	93.0	93.8	94.2	94.3	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	72.5	93.2	94.4	95.2	95.6	95.8	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	72.7	93.9	95.3	96.2	96.6	96.8	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	72.8	94.5	95.9	96.9	97.3	97.6	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	72.8	94.8	96.4	97.4	97.9	98.2	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	72.8	95.0	96.6	97.7	98.2	98.5	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	72.8	95.0	96.7	97.8	98.3	98.6	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	61.6	72.2	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000	64.2	76.0	76.3	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	64.3	76.2	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 16000	64.5	76.6	76.9	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 14000	65.2	77.2	77.5	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 12000	65.7	77.7	78.1	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	66.6	78.7	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000	66.7	78.8	79.1	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 8000	67.1	79.8	80.1	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	67.3	80.6	81.0	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	67.3	80.6	81.0	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	67.5	81.0	81.3	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	67.6	81.1	81.4	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	67.7	81.3	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3500	67.8	81.4	81.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	67.8	81.7	82.0	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	68.2	82.2	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	69.8	84.4	84.7	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	70.3	85.1	85.4	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	71.9	87.6	88.2	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1200	74.1	91.4	92.2	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	75.9	94.9	95.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	76.2	95.8	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	76.3	96.2	97.0	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	76.5	96.9	97.7	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	76.5	97.3	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	76.5	97.5	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	76.5	97.6	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	76.5	97.6	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	76.6	97.7	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.6	97.7	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.6	97.7	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

722536

HANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.8	45.6	45.8	46.1	46.5	46.6	46.6	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.1	47.1
≥ 20000	36.7	47.3	47.5	47.8	48.2	48.3	48.3	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.8	48.8
IV 18000	36.8	47.4	47.6	48.0	48.3	48.4	48.4	48.4	48.4	48.8	48.8	48.8	48.8	48.8	48.9	48.9
IV 16000	36.9	47.7	48.0	48.3	48.6	48.7	48.7	48.7	48.7	49.1	49.1	49.1	49.1	49.1	49.2	49.2
IV 14000	37.0	48.0	48.2	48.5	48.8	48.9	48.9	48.9	48.9	49.4	49.4	49.4	49.4	49.4	49.5	49.5
IV 12000	37.6	48.9	49.1	49.5	49.8	49.9	49.9	49.9	49.9	50.3	50.3	50.3	50.3	50.3	50.4	50.4
IV 10000	38.3	49.7	50.0	50.3	50.6	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.3	51.3
IV 9000	38.6	50.4	50.8	51.1	51.4	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	52.0	52.0
IV 8000	39.1	51.5	51.8	52.2	52.5	52.6	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.1	53.1
IV 7000	39.5	51.9	52.3	52.6	52.9	53.0	53.0	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.5	53.5
IV 6000	39.5	52.0	52.4	52.7	53.0	53.1	53.1	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.7	53.7
IV 5000	39.6	52.7	53.0	53.3	53.7	53.8	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.3	54.3
IV 4500	39.7	52.8	53.1	53.4	53.8	53.9	53.9	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.4	54.4
IV 4000	39.8	53.1	53.4	53.8	54.1	54.2	54.2	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.7	54.7
IV 3500	39.8	53.3	53.7	54.0	54.3	54.4	54.4	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.9	54.9
IV 3000	39.9	53.7	54.2	54.6	54.9	55.1	55.1	55.1	55.1	55.5	55.5	55.5	55.5	55.5	55.6	55.6
IV 2500	41.0	55.4	55.9	56.3	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.3	57.3
IV 2000	43.4	58.7	59.4	59.9	60.2	60.3	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.9	60.9
IV 1800	44.3	59.9	60.5	61.1	61.4	61.5	61.5	61.5	61.5	61.9	61.9	61.9	61.9	61.9	62.0	62.0
IV 1500	47.1	64.6	65.7	66.2	66.6	66.7	66.7	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.2	67.2
IV 1200	51.0	71.5	72.8	73.7	74.0	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.6
IV 1000	54.8	78.7	80.2	81.3	81.6	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.3	82.3
IV 900	56.1	82.9	85.1	86.1	86.5	86.6	86.6	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.1	87.1
IV 800	57.7	86.7	88.9	90.0	90.3	90.4	90.4	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.0	91.0
IV 700	58.8	89.2	91.6	92.7	93.0	93.1	93.1	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.7	93.7
IV 600	59.6	92.2	94.6	95.9	96.2	96.3	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.9	96.9
IV 500	59.6	92.9	95.5	96.8	97.1	97.2	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
IV 400	59.6	93.4	96.5	97.8	98.2	98.3	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0
IV 300	59.6	93.4	96.8	98.3	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 200	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	23.0	34.3	35.5	36.6	36.8	36.8	37.3	37.3	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	24.7	37.4	38.6	39.9	40.1	40.1	40.6	40.6	40.6	40.9	41.1	41.1	41.1	41.1	41.1	41.1
IV 18000	24.8	37.5	38.7	40.0	40.2	40.2	40.8	40.8	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000	25.3	38.1	39.2	40.5	40.8	40.8	41.3	41.3	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000	25.5	38.8	40.0	41.3	41.5	41.5	42.0	42.0	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5
IV 12000	26.2	40.6	41.8	43.1	43.3	43.3	43.9	43.9	43.9	44.1	44.3	44.3	44.3	44.3	44.3	44.3
IV 10000	27.6	42.6	44.1	45.5	45.8	45.9	46.5	46.5	46.5	46.7	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	27.8	42.8	44.3	45.7	46.0	46.1	46.7	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000	28.3	43.4	45.1	46.5	47.2	47.3	48.0	48.0	48.0	48.2	48.4	48.4	48.4	48.5	48.5	48.6
IV 7000	28.5	43.7	45.3	46.7	47.4	47.5	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.8
IV 6000	28.5	43.7	45.3	46.7	47.4	47.5	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.8
IV 5000	28.6	44.3	45.9	47.3	48.1	48.2	48.8	48.8	48.8	49.0	49.2	49.2	49.2	49.4	49.4	49.5
IV 4500	28.7	44.6	46.2	47.6	48.4	48.5	49.1	49.1	49.1	49.4	49.6	49.6	49.6	49.7	49.7	49.8
IV 4000	28.7	44.6	46.2	47.6	48.4	48.5	49.1	49.1	49.1	49.4	49.6	49.6	49.6	49.7	49.7	49.8
IV 3500	28.8	45.1	46.7	48.2	49.0	49.1	49.9	49.9	49.9	50.1	50.3	50.3	50.3	50.4	50.4	50.5
IV 3000	29.1	45.4	47.0	48.5	49.4	49.5	50.2	50.2	50.2	50.4	50.6	50.6	50.6	50.8	50.8	50.9
IV 2500	30.9	48.2	50.0	51.6	52.6	52.7	53.4	53.4	53.4	53.7	53.9	53.9	53.9	54.0	54.0	54.1
IV 2000	33.2	52.8	54.8	56.6	57.5	57.6	58.4	58.4	58.4	58.6	58.8	58.8	58.8	58.9	58.9	59.0
IV 1800	34.3	54.7	56.8	58.5	59.5	59.6	60.3	60.3	60.3	60.5	60.8	60.8	60.8	60.9	60.9	61.0
IV 1500	37.4	59.5	61.8	63.5	64.5	64.6	65.6	65.6	65.6	65.8	66.0	66.0	66.0	66.1	66.1	66.2
IV 1200	39.9	66.0	68.7	70.9	72.3	72.4	73.5	73.5	73.5	73.8	74.1	74.1	74.1	74.2	74.2	74.3
IV 1000	41.7	71.8	75.6	78.4	79.9	80.0	81.3	81.3	81.3	81.5	81.8	81.8	81.8	81.9	81.9	82.0
IV 900	43.1	74.8	79.1	81.9	83.5	83.7	84.9	84.9	84.9	85.2	85.5	85.5	85.5	85.6	85.6	85.7
IV 800	44.2	78.0	82.5	85.6	87.2	87.3	88.7	88.7	88.8	89.0	89.4	89.4	89.4	89.5	89.5	89.7
IV 700	44.8	80.2	84.9	88.2	89.9	90.1	91.6	91.6	91.7	91.9	92.3	92.3	92.3	92.4	92.4	92.6
IV 600	45.7	82.8	87.8	91.5	93.3	93.5	95.1	95.1	95.3	95.5	95.8	95.8	95.8	95.9	95.9	96.1
IV 500	46.1	83.8	89.0	92.8	94.7	94.9	96.5	96.5	96.7	96.9	97.3	97.3	97.3	97.4	97.5	97.7
IV 400	46.2	84.0	89.5	93.3	95.4	95.7	97.3	97.4	97.6	97.8	98.3	98.3	98.3	98.4	98.5	98.7
IV 300	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.8	98.8	98.8	98.9	99.0	99.4
IV 200	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	99.9
IV 100	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	100.0
IV 0	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

J900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	56.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 18000	57.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	58.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	59.7	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 12000	60.8	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	61.3	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	61.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	63.4	78.1	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	63.8	78.6	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	63.8	78.9	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	64.1	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	64.2	79.6	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	64.8	80.3	80.8	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	66.0	81.6	82.0	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	67.2	83.0	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	68.5	86.0	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	71.3	90.0	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	72.4	91.6	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	73.5	94.2	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	74.6	95.7	96.7	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	74.8	97.0	98.0	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	74.9	97.2	98.2	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	74.9	97.2	98.2	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	74.9	97.2	98.2	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	74.9	97.2	98.2	98.8	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	61.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	71.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 18000	72.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 16000	72.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 14000	74.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 12000	75.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 10000	77.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 9000	77.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 8000	78.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 7000	78.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000	78.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	79.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4500	80.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4000	81.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	82.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	84.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	85.3	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	85.5	97.8	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	85.6	98.2	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	85.8	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	76.2	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 18000	76.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 16000	77.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	78.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	79.9	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 10000	81.6	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	81.6	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 8000	82.7	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 7000	83.3	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000	83.8	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 5000	84.8	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4500	85.1	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4000	85.7	94.7	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	86.3	95.5	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000	87.0	96.1	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	87.0	96.8	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	87.0	97.2	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	87.0	97.2	98.2	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	87.1	97.6	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	87.1	97.6	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	87.2	97.7	98.7	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	87.2	97.7	98.7	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	67.3	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	60.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 16000	60.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 14000	82.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 12000	83.8	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 10000	85.7	92.5	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 9000	85.9	92.7	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 8000	86.5	93.7	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 7000	86.6	94.4	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 6000	86.7	94.5	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 5000	87.3	95.4	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4500	87.3	95.4	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4000	87.5	95.9	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 3500	88.0	96.5	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 3000	88.1	97.2	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
IV 2500	88.1	97.3	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
IV 2000	88.4	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1800	88.4	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1500	88.4	97.8	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
IV 1200	88.4	98.0	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 1000	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8
IV 900	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8
IV 800	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8
IV 700	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8
IV 600	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 500	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 400	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 300	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 200	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 100	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 0	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0
NO CEILING ≥ 20000	75.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	81.2	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 16000	81.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 14000	81.4	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 12000	82.1	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 10000	83.2	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 9000	84.3	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	84.4	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 7000	84.9	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 6000	85.2	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 5000	85.2	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 4500	85.3	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 4000	85.5	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 3500	85.8	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3000	86.0	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2500	86.2	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	86.5	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	86.7	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	86.9	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	87.2	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	55.2 61.4	63.4 70.6	63.7 70.9	63.9 71.2	64.0 71.3	64.0 71.3	64.1 71.4	64.1 71.4	64.1 71.4	64.2 71.4	64.2 71.5	64.2 71.5	64.2 71.5	64.2 71.5	64.2 71.5	64.2 71.5
≥ 18000 ≥ 16000	61.7 62.0	70.9 71.3	71.2 71.6	71.4 71.9	71.5 72.0	71.6 72.0	71.6 72.1	71.6 72.1	71.6 72.1	71.7 72.2	71.7 72.2	71.7 72.2	71.7 72.2	71.7 72.2	71.7 72.2	71.7 72.2
≥ 14000 ≥ 12000	63.1 64.1	72.7 74.2	73.0 74.5	73.3 74.8	73.4 74.9	73.4 74.9	73.4 75.0	73.4 75.0	73.4 75.0	73.5 75.0	73.5 75.1	73.5 75.1	73.5 75.1	73.5 75.1	73.6 75.1	73.6 75.1
≥ 10000 ≥ 9000	65.3 65.5	75.9 76.2	76.3 76.6	76.6 76.9	76.7 77.1	76.8 77.1	76.8 77.2	76.8 77.2	76.8 77.2	76.9 77.2	76.9 77.3	76.9 77.3	76.9 77.3	76.9 77.3	76.9 77.3	76.9 77.3
≥ 8000 ≥ 7000	66.3 66.6	77.5 78.2	77.9 78.6	78.3 79.0	78.5 79.2	78.5 79.2	78.6 79.3	78.6 79.3	78.6 79.3	78.7 79.4	78.7 79.4	78.7 79.4	78.7 79.4	78.7 79.4	78.8 79.4	78.8 79.5
≥ 6000 ≥ 5000	66.7 67.1	78.3 79.0	78.8 79.4	79.1 79.8	79.4 80.0	79.4 80.1	79.5 80.1	79.5 80.1	79.5 80.1	79.5 80.2	79.6 80.3	79.6 80.3	79.6 80.3	79.6 80.3	79.6 80.3	79.6 80.3
≥ 4500 ≥ 4000	67.3 67.6	79.2 79.8	79.7 80.3	80.1 80.7	80.3 81.0	80.3 81.0	80.4 81.1	80.4 81.1	80.4 81.1	80.5 81.2	80.5 81.2	80.5 81.2	80.5 81.2	80.5 81.2	80.6 81.2	80.6 81.2
≥ 3500 ≥ 3000	68.2 68.8	80.5 81.4	81.0 81.9	81.5 82.4	81.7 82.7	81.7 82.7	81.8 82.8	81.8 82.8	81.8 82.8	81.9 82.9	82.0 83.0	82.0 83.0	82.0 83.0	82.0 83.0	82.0 83.0	82.0 83.0
≥ 2500 ≥ 2000	69.4 70.7	82.6 84.6	83.2 85.2	83.8 85.8	84.0 86.1	84.1 86.2	84.2 86.3	84.2 86.3	84.2 86.3	84.3 86.4	84.3 86.4	84.3 86.4	84.3 86.4	84.3 86.4	84.3 86.4	84.4 86.5
≥ 1800 ≥ 1500	71.1 72.3	85.3 87.3	86.0 88.2	86.6 88.8	86.9 89.1	86.9 89.1	87.0 89.3	87.0 89.3	87.0 89.3	87.1 89.4	87.1 89.4	87.1 89.4	87.1 89.4	87.1 89.4	87.2 89.4	87.2 89.5
≥ 1200 ≥ 1000	73.5 74.5	89.7 92.0	90.7 93.1	91.5 94.0	91.8 94.4	91.8 94.4	92.0 94.6	92.0 94.6	92.0 94.6	92.1 94.8	92.2 94.8	92.2 94.8	92.2 94.8	92.2 94.8	92.2 94.8	92.2 94.9
≥ 900 ≥ 800	74.9 75.2	93.1 94.0	94.3 95.3	95.2 96.2	95.6 96.6	95.6 96.6	95.8 96.8	95.8 96.9	95.8 96.9	96.0 97.0	96.0 97.1	96.0 97.1	96.0 97.1	96.0 97.1	96.0 97.1	96.1 97.1
≥ 700 ≥ 600	75.5 75.7	94.7 95.4	96.0 96.8	97.0 97.8	97.4 98.3	97.4 98.3	97.7 98.6	97.7 98.7	97.7 98.7	97.9 98.8	97.9 98.9	97.9 98.9	97.9 98.9	97.9 98.9	98.0 98.9	98.0 98.9
≥ 500 ≥ 400	75.7 75.7	95.6 95.7	97.1 97.3	98.1 98.4	98.6 98.9	98.7 98.9	99.0 99.2	99.0 99.3	99.1 99.4	99.2 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5
≥ 300 ≥ 200	75.7 75.7	95.7 95.8	97.3 97.4	98.5 98.5	99.0 99.0	99.0 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.9	99.8 100.0
≥ 100 0	75.7 75.7	95.8 95.8	97.4 97.4	98.5 98.5	99.0 99.0	99.1 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	61.6	72.8	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 20000	64.5	76.5	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	64.6	76.7	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 18000	64.8	77.1	77.5	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	65.3	77.8	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 12000	66.3	79.8	80.2	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 10000	67.4	80.9	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 9000	67.4	81.0	81.7	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 8000	67.4	81.0	81.7	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 7000	67.4	81.1	81.8	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	67.4	81.1	81.8	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 5000	67.5	81.2	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	67.7	81.4	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4000	67.7	81.4	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	67.7	81.5	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	67.8	81.9	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	68.8	83.2	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	70.1	85.1	85.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1800	70.4	85.6	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1500	72.3	88.2	89.9	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	74.8	92.0	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	76.1	94.9	96.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	76.3	95.4	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	76.7	96.0	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	76.7	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	76.8	97.0	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	76.8	97.1	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	76.8	97.1	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	76.8	97.1	98.5	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 100	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
IV 0	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.8	49.8	51.3	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	39.8	52.3	53.8	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	39.9	52.4	53.9	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	40.0	52.5	54.0	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	40.4	52.9	54.4	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	41.0	54.3	55.8	57.2	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	41.7	55.6	57.3	58.7	58.9	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	41.9	55.8	57.5	58.9	59.2	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	42.0	56.1	57.8	59.2	59.6	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	42.3	56.5	58.2	59.6	59.9	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	42.4	56.6	58.3	59.7	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 5000	42.4	56.6	58.3	59.7	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	42.5	57.1	58.8	60.2	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	42.5	57.1	58.8	60.2	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 3500	42.8	57.4	59.1	60.5	61.0	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3000	42.9	57.8	59.6	61.0	61.4	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2500	43.2	58.5	60.2	61.6	62.0	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 2000	45.3	61.6	63.3	64.7	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 1800	46.1	62.9	64.6	66.0	66.5	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 1500	50.6	69.4	71.2	72.8	73.3	73.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 1200	54.5	75.8	78.0	79.7	80.4	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 1000	57.3	82.0	84.2	85.9	86.7	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	58.2	84.0	86.1	87.8	88.6	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	59.2	86.6	88.9	90.8	91.5	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	59.9	88.9	91.4	93.2	94.0	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	60.4	90.2	92.7	94.6	95.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	60.6	91.0	93.7	95.9	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	60.6	91.2	94.1	96.5	97.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	22.5	35.5	37.7	40.1	41.2	41.9	42.2	42.3	42.4	42.9	43.1	43.1	43.2	43.2	43.2	43.2
≥ 20000	23.9	38.1	40.5	42.9	44.0	44.8	45.1	45.2	45.3	46.0	46.2	46.2	46.3	46.3	46.3	46.3
≥ 18000	23.9	38.1	40.5	42.9	44.0	44.8	45.1	45.2	45.3	46.0	46.2	46.2	46.3	46.3	46.3	46.3
≥ 16000	24.1	38.4	40.9	43.2	44.3	45.2	45.4	45.5	45.6	46.3	46.6	46.6	46.7	46.7	46.7	46.7
≥ 14000	24.6	39.5	42.0	44.4	45.5	46.3	46.6	46.7	46.8	47.5	47.7	47.7	47.8	47.8	47.8	47.8
≥ 12000	25.7	41.5	44.1	46.5	47.5	48.4	48.6	48.7	48.8	49.6	49.8	49.8	49.9	49.9	49.9	49.9
≥ 10000	27.0	43.9	46.5	48.9	50.0	50.9	51.1	51.2	51.3	52.0	52.3	52.3	52.4	52.4	52.4	52.4
≥ 9000	27.3	44.2	46.8	49.2	50.3	51.2	51.4	51.5	51.7	52.5	52.7	52.7	52.8	52.8	52.8	52.8
≥ 8000	27.4	44.7	47.3	49.8	50.9	51.7	51.9	52.0	52.3	53.0	53.2	53.2	53.3	53.3	53.3	53.3
≥ 7000	27.8	45.2	47.7	50.2	51.3	52.2	52.4	52.5	52.7	53.4	53.7	53.7	53.8	53.8	53.8	53.8
≥ 6000	28.0	45.4	48.1	50.5	51.6	52.5	52.7	52.8	53.0	53.8	54.0	54.0	54.1	54.1	54.1	54.1
≥ 5000	28.1	45.7	48.6	51.1	52.2	53.0	53.2	53.3	53.5	54.3	54.5	54.5	54.6	54.6	54.6	54.6
≥ 4500	28.1	45.8	48.7	51.2	52.3	53.1	53.3	53.4	53.7	54.4	54.6	54.6	54.7	54.7	54.7	54.7
≥ 4000	28.1	45.8	48.7	51.2	52.4	53.2	53.4	53.5	53.8	54.5	54.7	54.7	54.8	54.8	54.8	54.8
≥ 3500	28.1	45.9	48.8	51.3	52.5	53.3	53.5	53.7	53.9	54.6	54.8	54.8	54.9	54.9	54.9	54.9
≥ 3000	28.3	46.2	49.1	51.6	52.8	53.7	53.9	54.0	54.2	54.9	55.2	55.2	55.3	55.3	55.3	55.3
≥ 2500	28.8	47.3	50.4	52.9	54.1	54.9	55.2	55.3	55.5	56.2	56.5	56.5	56.6	56.6	56.6	56.6
≥ 2000	31.3	51.1	54.2	57.1	58.4	59.2	59.6	59.7	59.9	60.6	60.9	60.9	61.0	61.0	61.0	61.0
≥ 1800	32.7	52.6	55.8	58.9	60.2	61.1	61.4	61.5	61.7	62.5	62.7	62.7	62.8	62.8	62.8	62.8
≥ 1500	37.3	60.2	63.9	67.3	68.9	69.8	70.1	70.2	70.4	71.3	71.5	71.5	71.6	71.6	71.6	71.6
≥ 1200	40.8	67.0	71.5	75.1	76.9	77.7	78.2	78.3	78.6	79.5	79.7	79.7	79.8	79.8	79.8	79.8
≥ 1000	42.5	71.3	76.1	80.0	82.3	83.1	83.7	83.8	84.1	84.9	85.2	85.2	85.3	85.3	85.3	85.3
≥ 900	43.1	72.7	77.8	81.9	84.2	85.1	85.6	85.7	86.0	86.9	87.1	87.1	87.2	87.2	87.2	87.2
≥ 800	43.7	74.3	79.9	84.1	86.7	87.5	88.1	88.3	88.6	89.5	89.7	89.7	89.8	89.8	89.8	89.8
≥ 700	43.8	75.3	81.6	85.9	88.5	89.4	89.9	90.1	90.4	91.3	91.5	91.5	91.6	91.6	91.6	91.6
≥ 600	44.1	76.5	83.2	88.0	90.5	91.4	92.0	92.4	92.8	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 500	44.4	77.1	84.2	89.1	92.0	93.0	93.8	94.2	94.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0
≥ 400	44.4	77.3	84.5	89.8	93.1	94.1	94.8	95.6	96.0	97.2	97.4	97.4	97.5	97.5	97.5	97.5
≥ 300	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.0	98.4	98.6	98.6	98.7	98.8	98.8	98.8
≥ 200	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.0	98.4	98.8	98.8	99.1	99.4	99.9	99.9
≥ 100	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.1	98.5	98.9	98.9	99.2	99.5	100.0	100.0
≥ 0	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.1	98.5	98.9	98.9	99.2	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	49.7	60.3	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	53.1	66.8	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	53.3	67.2	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	53.5	67.7	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	54.2	68.5	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	56.2	71.2	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 10000	57.0	73.5	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000	57.1	73.9	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000	58.0	74.8	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	58.1	75.4	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	58.5	75.9	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 3500	59.4	77.1	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	61.5	79.7	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	64.0	83.8	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	66.1	87.3	88.4	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800	66.9	88.7	89.8	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1500	68.6	91.8	93.0	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	69.2	93.8	95.4	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	69.5	94.8	96.6	97.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	69.7	95.2	96.9	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	69.8	95.5	97.3	98.4	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	69.8	95.6	97.5	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	69.8	95.6	97.5	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	71.2	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 18000	71.4	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 16000	71.9	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 14000	73.3	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	75.4	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	76.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 9000	76.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 8000	77.2	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	77.2	87.5	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 6000	77.5	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 5000	77.5	87.8	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	78.5	89.2	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	79.6	90.4	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	82.6	93.8	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	84.0	95.6	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	85.1	97.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	85.4	97.5	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	85.4	97.5	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	85.4	97.5	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	85.5	97.6	98.6	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	85.5	97.6	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	85.5	97.6	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	61.4 75.9	66.1 81.8	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2	66.5 82.2
≥ 18000 IV 16000	76.5 77.0	82.5 93.1	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4	82.8 83.4
IV 14000 IV 12000	77.8 81.1	84.3 88.2	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5	84.6 88.5
IV 10000 IV 9000	83.1 83.3	91.0 91.4	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7	91.3 91.7
IV 8000 IV 7000	83.5 84.1	92.3 93.3	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7	92.6 93.7
IV 6000 IV 5000	84.2 84.3	93.4 93.8	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1	93.8 94.1
IV 4500 IV 4000	84.6 85.9	94.3 95.8	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1	94.6 96.1
IV 3500 IV 3000	87.4 88.0	97.5 98.4	98.0 98.8	98.0 98.8	98.0 98.8	98.0 98.8	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.0	98.1 99.1	98.1 99.1
IV 2500 IV 2000	88.3 88.3	98.8 98.8	99.2 99.2	99.4 99.4	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7
IV 1800 IV 1500	88.3 88.3	98.8 98.8	99.2 99.2	99.4 99.4	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7
IV 1200 IV 1000	88.3 88.3	98.8 98.8	99.2 99.2	99.6 99.6	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9
IV 900 IV 800	88.3 88.3	98.8 98.9	99.2 99.4	99.6 99.7	99.6 99.7	99.6 99.7	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.9 100.0	99.9 100.0	99.9 100.0
IV 700 IV 600	88.3 88.3	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	88.3 88.3	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	88.3 88.3	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	88.3 88.3	98.9 98.9	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

122536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	64.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 20000	80.3	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 18000	80.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	81.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 14000	82.0	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 12000	84.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 10000	86.7	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 9000	86.7	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	86.9	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 7000	87.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 6000	87.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 5000	88.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4500	88.1	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000	88.2	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500	89.4	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000	89.7	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	89.7	98.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	89.7	98.6	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	89.7	98.6	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	75.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 20000	81.7	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 18000	81.9	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 16000	82.2	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 14000	82.5	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 12000	83.1	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 10000	84.8	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 9000	84.9	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 8000	85.1	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 7000	85.1	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 6000	85.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000	85.5	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4500	85.9	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000	85.9	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500	86.0	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000	86.2	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	86.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	86.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	86.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	87.0	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	87.2	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	87.2	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	87.2	97.8	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	87.3	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	87.3	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.3	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.3	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	87.4	98.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	87.5	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	54.0 61.3	62.9 71.2	63.6 71.9	64.2 72.5	64.4 72.7	64.5 72.8	64.5 72.8	64.5 72.9	64.5 72.9	64.6 73.0	64.6 73.0	64.6 73.0	64.6 73.0	64.6 73.0	64.6 73.0	64.6 73.0
≥ 18000 N 16000	61.5 61.8	71.5 71.9	72.3 72.7	72.9 73.3	73.1 73.5	73.2 73.6	73.2 73.6	73.2 73.6	73.2 73.6	73.3 73.7	73.3 73.8	73.3 73.8	73.4 73.8	73.4 73.8	73.4 73.8	73.4 73.8
N 14000 N 12000	62.5 64.1	73.0 75.3	73.8 76.1	74.4 76.7	74.5 76.8	74.7 77.0	74.7 77.0	74.7 77.0	74.7 77.0	74.8 77.1	74.9 77.2	74.9 77.2	74.9 77.2	74.9 77.2	74.9 77.2	74.9 77.2
N 10000 N 9000	65.6 65.7	77.4 77.6	78.3 78.5	78.9 79.1	79.1 79.3	79.2 79.5	79.3 79.5	79.3 79.5	79.3 79.6	79.4 79.7	79.5 79.7	79.5 79.7	79.5 79.7	79.5 79.7	79.5 79.7	79.5 79.7
N 8000 N 7000	65.9 66.2	78.1 78.5	79.1 79.5	79.7 80.1	79.9 80.3	80.0 80.4	80.0 80.5	80.1 80.5	80.1 80.6	80.2 80.6	80.2 80.7	80.2 80.7	80.2 80.7	80.2 80.7	80.3 80.7	80.3 80.7
N 6000 N 5000	66.2 66.4	78.6 78.8	79.6 79.8	80.2 80.5	80.4 80.7	80.6 80.8	80.6 80.8	80.6 80.9	80.7 80.9	80.8 81.0	80.8 81.0	80.8 81.0	80.8 81.0	80.8 81.0	80.8 81.1	80.8 81.1
N 4500 N 4000	66.6 67.2	79.3 79.9	80.3 81.0	80.9 81.6	81.1 81.9	81.3 82.0	81.3 82.1	81.4 82.1	81.4 82.1	81.5 82.2	81.5 82.3	81.5 82.3	81.5 82.3	81.5 82.3	81.5 82.3	81.5 82.3
N 3500 N 3000	67.9 68.5	80.8 81.7	81.9 82.8	82.5 83.4	82.8 83.7	82.9 83.8	83.0 83.9	83.0 83.9	83.0 84.0	83.1 84.0	83.2 84.1	83.2 84.1	83.2 84.1	83.2 84.1	83.2 84.1	83.2 84.1
N 2500 N 2000	69.3 70.3	82.9 84.6	84.1 85.7	84.8 86.5	85.1 86.8	85.2 86.9	85.3 87.0	85.3 87.1	85.3 87.1	85.4 87.2	85.5 87.2	85.5 87.2	85.5 87.3	85.5 87.3	85.5 87.3	85.5 87.3
N 1800 N 1500	70.8 72.4	85.2 87.7	86.3 89.0	87.1 89.9	87.4 90.3	87.6 90.4	87.7 90.5	87.7 90.6	87.7 90.6	87.8 90.7	87.9 90.7	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8
N 1200 N 1000	73.8 74.5	90.2 92.0	91.6 93.5	92.6 94.6	93.1 95.1	93.2 95.2	93.3 95.4	93.4 95.5	93.4 95.5	93.5 95.6	93.5 95.7	93.5 95.7	93.6 95.7	93.6 95.7	93.6 95.7	93.6 95.7
N 900 N 800	74.8 75.0	92.5 93.2	94.1 94.9	95.2 96.0	95.7 96.6	95.8 96.7	96.0 96.9	96.1 97.0	96.1 97.0	96.2 97.1	96.3 97.2	96.3 97.2	96.3 97.2	96.3 97.2	96.3 97.2	96.3 97.2
N 700 N 600	75.1 75.2	93.7 94.1	95.5 96.0	96.7 97.2	97.2 97.8	97.4 97.9	97.6 98.2	97.6 98.3	97.7 98.3	97.8 98.4	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.9 98.5	97.9 98.5
N 500 N 400	75.3 75.3	94.3 94.4	96.3 96.4	97.6 97.7	98.2 98.5	98.4 98.7	98.6 98.9	98.7 99.1	98.8 99.2	98.9 99.3	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4	99.0 99.4
N 300 N 200	75.3 75.3	94.4 94.4	96.5 96.5	97.8 97.8	98.6 98.7	98.8 98.8	99.1 99.1	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
N 100 N 0	75.3 75.3	94.4 94.4	96.5 96.5	97.8 97.8	98.7 98.7	98.8 98.8	99.1 99.1	99.3 99.3	99.5 99.5	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 100.0	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	47.9	59.3	67.0	60.1	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	49.7	62.1	62.9	63.0	63.3	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	49.7	62.7	63.4	63.6	63.9	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	51.1	63.2	64.0	64.1	64.4	64.4	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	50.8	64.2	65.0	65.1	65.4	65.4	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	51.3	65.1	65.9	66.0	66.3	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000	52.2	67.1	68.2	68.3	68.7	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	52.4	67.8	68.9	69.0	69.3	69.3	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	52.9	68.4	69.6	69.7	70.0	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	53.0	68.8	69.9	70.0	70.3	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 6000	53.2	69.1	70.2	70.3	70.7	70.7	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	53.6	69.4	70.6	70.7	71.1	71.1	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	53.9	70.4	71.6	71.7	72.1	72.1	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	54.2	70.8	71.9	72.0	72.4	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	54.7	71.2	72.3	72.4	72.9	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	55.4	72.4	73.6	73.8	74.4	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2500	56.0	73.1	74.2	74.4	75.2	75.2	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2000	56.7	74.1	75.2	75.4	76.2	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800	57.2	74.7	75.8	76.0	76.8	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1500	58.9	77.3	78.4	78.8	79.6	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1200	61.3	81.0	82.1	82.6	83.3	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	63.9	84.7	85.8	86.2	87.0	87.0	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	64.6	86.1	87.3	88.0	88.8	88.8	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	65.6	88.3	89.6	90.6	91.6	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	65.9	89.8	91.1	92.1	93.6	93.6	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	66.3	91.2	93.1	94.1	95.9	95.9	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	66.4	92.2	94.2	95.3	97.1	97.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	66.4	92.7	94.8	96.0	98.0	98.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	66.4	92.7	94.8	96.1	98.3	98.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.6	42.7	43.4	43.5	43.8	44.0	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.6	44.6	44.6
≥ 20000	34.4	44.4	45.2	45.3	46.2	46.4	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.9	46.9	46.9
IV 18000	34.4	44.5	45.3	45.4	46.3	46.5	46.7	46.7	46.7	46.8	46.8	46.8	46.8	47.1	47.1	47.1
IV 16000	34.4	44.6	45.4	45.5	46.4	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	47.2	47.2	47.2
IV 14000	34.9	45.4	46.2	46.3	47.2	47.4	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.9	47.9	47.9
IV 12000	35.6	46.7	47.5	47.6	48.5	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.3	49.3	49.3
IV 10000	36.0	47.9	48.8	48.9	49.8	50.1	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.6	50.6	50.6
IV 9000	36.2	48.2	49.1	49.2	50.1	50.3	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.8	50.8	50.8
IV 8000	36.5	48.8	49.7	49.8	50.7	50.9	51.2	51.2	51.2	51.3	51.4	51.4	51.4	51.6	51.6	51.6
IV 7000	36.7	49.2	50.1	50.2	51.1	51.3	51.5	51.5	51.5	51.6	51.7	51.7	51.7	51.9	51.9	51.9
IV 6000	36.9	49.4	50.4	50.5	51.4	51.6	51.8	51.8	51.8	51.9	52.1	52.1	52.1	52.3	52.3	52.3
IV 5000	37.3	49.8	50.8	50.9	51.8	52.1	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.7	52.7	52.7
IV 4500	37.2	50.2	51.2	51.3	52.2	52.4	52.6	52.6	52.6	52.7	52.8	52.8	53.1	53.1	53.1	53.1
IV 4000	37.4	50.5	51.5	51.6	52.5	52.7	52.9	52.9	52.9	53.1	53.2	53.2	53.4	53.4	53.4	53.4
IV 3500	37.5	51.2	52.2	52.3	53.2	53.4	53.6	53.6	53.6	53.7	53.8	53.8	54.1	54.1	54.1	54.1
IV 3000	38.2	51.8	53.2	53.3	54.2	54.4	54.6	54.7	54.7	54.8	54.9	54.9	55.2	55.2	55.2	55.2
IV 2500	38.7	52.4	53.9	54.3	55.2	55.4	55.6	55.8	55.8	56.0	56.1	56.1	56.3	56.3	56.3	56.3
IV 2000	40.2	54.9	56.7	57.3	58.2	58.4	58.6	59.0	59.0	59.1	59.2	59.2	59.4	59.4	59.4	59.4
IV 1800	40.7	56.2	58.0	58.5	59.4	59.6	59.8	60.2	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.6
IV 1500	43.5	60.7	62.6	63.3	64.4	64.6	65.0	65.3	65.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7
IV 1200	45.4	65.6	67.7	68.7	69.9	70.1	70.5	70.9	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3
IV 1000	47.7	70.0	72.3	73.6	75.0	75.2	75.8	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.6	76.6
IV 900	48.4	73.1	75.4	77.0	78.3	78.5	79.2	79.6	79.6	79.8	79.9	79.9	80.1	80.1	80.1	80.1
IV 800	50.3	77.5	80.1	81.9	83.2	83.4	84.3	84.9	84.9	85.0	85.1	85.1	85.3	85.3	85.3	85.3
IV 700	51.5	80.1	83.0	85.0	86.3	86.5	87.4	88.0	88.0	88.1	88.3	88.3	88.5	88.5	88.5	88.5
IV 600	51.8	82.3	85.4	87.8	89.2	89.4	90.3	90.9	90.9	91.0	91.2	91.2	91.4	91.4	91.4	91.4
IV 500	52.1	84.3	87.7	90.1	91.9	92.1	93.3	93.9	93.9	94.1	94.3	94.3	94.9	94.9	94.9	94.9
IV 400	52.2	85.1	88.9	91.5	93.9	94.1	95.4	96.2	96.2	96.4	96.7	96.7	97.2	97.2	97.2	97.2
IV 300	52.2	85.3	89.3	92.0	94.5	94.8	96.2	97.3	97.4	97.8	98.1	98.1	99.0	99.0	99.1	99.1
IV 200	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	97.7	98.2	98.6	98.6	99.4	99.4	99.6	99.7
IV 100	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	97.7	98.2	98.6	98.6	99.6	99.6	99.7	99.8
IV 0	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	97.7	98.2	98.6	98.6	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	20.6	34.2	36.4	38.3	39.1	39.2	39.3	39.8	39.8	39.9	39.9	39.9	39.9	39.9	40.0	40.2
≥ 20000	22.0	37.1	39.7	41.8	42.7	42.8	42.9	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.6	43.8
≥ 18000	22.0	37.1	39.7	41.8	42.9	43.0	43.1	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8	44.0
≥ 16000	22.1	37.2	39.8	41.9	43.0	43.1	43.2	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.9	44.1
≥ 14000	22.4	38.1	41.0	43.1	44.2	44.4	44.6	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.4
≥ 12000	23.2	39.3	42.2	44.4	45.7	45.9	46.0	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.8	47.0
≥ 10000	23.7	40.9	43.8	46.0	47.3	47.6	47.8	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.7	48.9
≥ 9000	23.8	41.0	43.9	46.1	47.4	47.7	47.9	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.8	49.0
≥ 8000	24.0	41.8	44.9	47.1	48.4	48.7	48.9	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.8	50.0
≥ 7000	24.2	42.1	45.2	47.4	48.8	49.0	49.2	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.1	50.3
≥ 6000	24.2	42.1	45.2	47.6	48.9	49.1	49.4	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.3	50.6
≥ 5000	24.2	42.4	45.6	47.9	49.4	49.7	50.0	50.7	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.2
≥ 4500	24.6	43.0	46.1	48.4	50.0	50.2	50.6	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.6	51.8
≥ 4000	24.7	43.1	46.2	48.6	50.1	50.3	50.7	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.7	51.9
≥ 3500	24.9	43.7	46.8	49.1	50.7	50.9	51.2	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.2	52.4
≥ 3000	25.3	44.6	47.8	50.1	51.7	51.9	52.2	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.4
≥ 2500	26.7	46.6	50.0	52.4	54.0	54.2	54.6	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.7	55.9
≥ 2000	28.4	49.8	53.6	56.2	57.9	58.1	58.4	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.6	59.8
≥ 1800	28.7	51.0	54.8	57.4	59.1	59.3	59.8	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.9	61.1
≥ 1500	31.0	55.3	59.6	62.3	64.4	64.7	65.2	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.3	66.6
≥ 1200	33.1	59.9	64.4	67.4	69.7	69.9	70.6	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.8	72.0
≥ 1000	34.7	62.6	67.2	70.4	72.9	73.1	74.0	74.8	74.9	75.1	75.2	75.2	75.6	75.6	75.8	76.0
≥ 900	35.6	64.6	69.3	72.9	75.6	75.8	76.7	77.4	77.6	77.8	77.9	77.9	78.2	78.2	78.4	78.7
≥ 800	35.9	66.2	71.7	75.3	78.7	78.9	79.8	80.6	80.7	81.1	81.6	81.6	81.9	81.9	82.1	82.3
≥ 700	36.6	68.2	73.9	77.8	81.2	81.4	82.4	83.3	83.4	83.9	84.4	84.4	84.8	84.8	85.0	85.2
≥ 600	36.6	69.8	76.1	80.3	84.3	84.6	85.7	86.9	87.0	87.6	88.1	88.1	88.4	88.4	88.7	88.9
≥ 500	36.6	71.1	77.9	82.8	87.0	87.7	89.0	90.2	90.6	91.2	91.8	91.8	92.1	92.1	92.3	92.6
≥ 400	36.6	71.2	78.2	83.4	88.1	88.8	90.7	92.1	92.4	93.1	93.8	93.8	94.2	94.2	94.4	94.9
≥ 300	36.6	71.3	78.4	83.8	88.4	89.3	91.2	93.3	93.8	94.8	95.9	95.9	96.6	96.8	97.2	97.8
≥ 200	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.3	99.1
≥ 100	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.4	99.7
≥ 0	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	37.9	49.4	49.8	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	43.4	55.7	56.0	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	43.8	56.1	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	43.8	56.4	56.8	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	44.4	57.9	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	45.8	60.0	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 10000	46.9	62.0	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	47.2	62.3	62.9	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 8000	47.8	63.3	63.9	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	48.8	64.3	65.0	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	48.8	64.4	65.1	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	48.8	64.8	65.4	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	48.9	65.1	65.8	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4000	49.3	65.8	66.4	67.4	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3500	49.7	66.6	67.2	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	51.1	68.9	69.6	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	52.8	72.6	73.7	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	55.7	77.4	78.7	80.1	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1800	56.1	78.6	79.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	58.1	82.2	83.9	85.6	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	59.1	85.4	87.2	89.0	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	61.0	88.7	90.6	92.6	93.4	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	61.2	89.1	91.0	93.0	94.0	94.2	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	61.6	90.1	92.0	94.2	95.2	95.6	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	61.7	90.6	92.7	95.0	96.0	96.3	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	61.8	91.2	93.3	95.8	97.0	97.3	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	61.8	91.4	93.7	96.3	97.6	98.1	98.8	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.1	58.3	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	53.2	66.8	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	55.3	66.9	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 16000	58.6	67.3	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	60.3	69.7	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 12000	62.9	72.8	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	65.0	75.4	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	65.1	75.6	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	65.6	76.6	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	67.0	78.3	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 6000	67.2	79.0	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	67.4	79.4	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500	67.6	79.8	80.4	80.4	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	68.4	80.8	81.4	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	70.7	83.8	84.6	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	72.8	86.4	87.3	87.4	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	75.7	90.8	91.8	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	76.6	91.9	93.0	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	76.6	92.0	93.1	93.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	77.8	94.1	95.3	95.6	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	78.4	95.4	97.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	79.7	95.8	97.4	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	78.9	96.3	98.0	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	55.2	60.4	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	65.4	72.2	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	66.1	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	66.6	73.8	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 14000	68.3	75.7	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 12000	70.3	78.8	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 10000	72.3	81.9	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 9000	72.6	82.2	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 8000	73.4	83.3	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000	74.8	84.8	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	75.1	85.1	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	75.8	85.8	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	75.9	86.0	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	76.9	87.4	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6
≥ 3500	78.2	89.4	90.1	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 3000	78.9	90.4	91.3	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
≥ 2500	80.3	92.3	93.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 2000	80.4	92.9	94.0	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 1800	80.6	93.0	94.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 1500	81.3	94.7	95.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 1200	81.6	95.2	96.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 1000	81.8	95.8	97.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 900	81.8	95.8	97.2	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 800	81.9	95.9	97.4	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 700	81.9	95.9	97.4	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 600	81.9	95.9	97.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 500	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	58.1 67.2	63.6 74.1	64.2 75.3	64.4 75.9	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0
≥ 18000 N 16000	67.2 67.6	74.4 74.8	75.7 76.1	76.2 76.7	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8
≥ 14000 N 12000	68.4 69.8	76.6 79.8	77.9 81.1	78.4 81.7	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8
≥ 10000 N 9000	71.4 71.6	82.2 82.6	83.6 83.9	84.1 84.4	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7
≥ 8000 N 7000	72.9 73.8	84.0 85.0	85.3 86.3	85.9 86.9	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1
≥ 6000 N 5000	74.4 75.0	85.7 86.2	87.0 87.6	87.6 88.1	87.8 88.3	87.8 88.3	87.8 88.3	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6
≥ 4500 N 4000	75.2 75.4	86.6 87.1	87.9 88.6	88.4 89.1	88.7 89.3	88.7 89.3	88.7 89.3	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6
≥ 3500 N 3000	76.9 77.2	89.2 90.0	90.8 91.6	91.7 92.4	91.9 92.7	91.9 92.7	91.9 92.7	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9
≥ 2500 N 2000	77.7 78.0	91.0 91.8	92.6 93.3	93.8 94.6	94.1 94.9	94.1 94.9	94.1 94.9	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1
≥ 1800 N 1500	78.2 78.4	92.1 92.7	93.7 94.3	94.9 95.6	95.2 95.9	95.2 95.9	95.2 95.9	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1
≥ 1200 N 1000	78.4 78.4	94.0 94.3	95.8 96.4	97.1 97.8	97.4 98.1	97.4 98.1	97.4 98.1	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.8 98.4	97.8 98.4	97.8 98.4	97.8 98.4	97.8 98.4	97.8 98.4
≥ 900 N 800	78.4 78.4	94.3 94.4	96.4 96.7	97.8 98.0	98.1 98.3	98.1 98.3	98.1 98.3	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7
≥ 700 N 600	78.4 78.4	94.4 94.6	96.7 96.8	98.1 98.2	98.4 98.6	98.4 98.6	98.4 98.6	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1	98.9 99.1
≥ 500 N 400	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.1 99.3	99.1 99.3	99.1 99.3	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0
≥ 300 N 200	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.3 99.3	99.3 99.3	99.3 99.3	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 100 N 0	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.3 99.3	99.3 99.3	99.3 99.3	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	61.3	69.3	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 20000	66.0	75.3	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 18000	66.2	75.8	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	66.3	75.9	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	67.0	77.6	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 12000	67.9	78.9	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 10000	69.2	80.9	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000	69.4	81.1	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000	70.4	82.7	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000	71.0	83.2	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 6000	71.3	83.6	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	72.1	84.4	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4500	72.4	85.0	86.1	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	72.7	85.6	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	73.1	86.4	87.7	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	73.6	87.1	88.3	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	73.9	87.7	88.9	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	74.2	88.1	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	74.4	88.4	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	74.9	89.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	75.8	90.7	92.0	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	76.3	92.3	93.7	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	76.3	92.8	94.2	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	76.4	93.2	94.8	95.7	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	76.8	93.6	95.1	96.0	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	76.9	94.1	95.7	96.6	97.2	97.2	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	77.2	95.1	96.8	97.7	98.6	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.7	54.7	55.4	55.8	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	50.9	61.0	61.9	62.4	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
≥ 18000	51.0	61.3	62.2	62.8	63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	51.2	61.7	62.6	63.2	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
≥ 14000	52.3	63.1	64.2	64.7	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
≥ 12000	53.4	65.2	66.2	66.8	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥ 10000	54.6	67.3	68.4	69.0	69.4	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9500	54.8	67.6	68.7	69.2	69.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	55.4	68.6	69.8	70.3	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1
≥ 7000	56.2	69.5	70.6	71.2	71.6	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
≥ 6000	56.4	69.8	71.0	71.6	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
≥ 5000	56.7	70.3	71.5	72.1	72.6	72.6	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	57.0	70.8	71.9	72.5	73.0	73.1	73.2	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5
≥ 4000	57.4	71.4	72.6	73.2	73.7	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
≥ 3500	58.2	72.7	74.0	74.7	75.2	75.2	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	59.1	74.0	75.3	76.1	76.6	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 2500	60.2	75.8	77.3	78.2	78.7	78.8	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
≥ 2000	61.3	77.6	79.2	80.2	80.8	80.9	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	61.6	78.2	79.9	80.8	81.4	81.5	81.7	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 1500	63.0	80.8	82.6	83.7	84.4	84.5	84.7	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
≥ 1200	64.1	83.4	85.4	86.6	87.3	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0
≥ 1000	65.3	85.5	87.6	88.9	89.8	89.9	90.2	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.7
≥ 900	65.6	86.5	88.6	90.0	91.0	91.1	91.4	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.9
≥ 800	66.1	87.7	90.0	91.6	92.6	92.7	93.2	93.4	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7
≥ 700	66.4	88.6	90.9	92.6	93.7	93.8	94.3	94.6	94.6	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 600	66.6	89.4	92.0	93.7	95.0	95.2	95.7	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4
≥ 500	66.7	90.2	92.9	94.8	96.2	96.4	97.1	97.4	97.5	97.7	97.8	97.8	97.9	97.9	97.9	98.0
≥ 400	66.7	90.4	93.2	95.2	96.8	97.0	97.8	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.9
≥ 300	66.7	90.4	93.3	95.3	97.0	97.2	98.0	98.6	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6
≥ 200	66.7	90.4	93.3	95.3	97.0	97.2	98.1	98.7	98.8	99.1	99.3	99.3	99.6	99.6	99.7	99.8
≥ 100	66.7	90.4	93.3	95.3	97.0	97.2	98.1	98.7	98.8	99.1	99.3	99.3	99.6	99.7	99.8	99.9
≥ 0	66.7	90.4	93.3	95.3	97.0	97.2	98.1	98.7	98.8	99.1	99.3	99.3	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-73,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.2	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	51.7	60.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000	51.7	60.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	51.9	60.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	52.3	61.4	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	52.5	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	54.5	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000	54.5	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	55.2	65.7	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	55.7	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	56.0	66.9	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	56.8	68.5	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	57.5	69.8	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	57.7	70.0	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3500	58.8	71.3	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	60.0	73.3	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	60.8	75.1	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	62.3	77.4	77.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	62.4	78.6	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	64.3	82.4	82.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	66.1	85.8	86.5	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	67.0	88.2	88.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	67.6	89.9	90.8	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	68.2	91.4	92.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	68.9	93.1	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 600	69.4	94.1	95.1	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 500	69.4	94.3	95.5	97.1	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
≥ 400	69.4	94.5	95.8	98.0	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 300	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 200	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.2	99.4
≥ 100	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.4	99.5
≥ 0	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	39.5	49.4	57.0	50.4	50.8	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2
≥20000	40.5	50.8	51.4	51.8	52.2	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6
≥18000	40.6	50.9	51.5	51.9	52.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
≥16000	41.1	51.4	52.0	52.5	52.8	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
≥14000	41.1	51.4	52.0	52.5	52.8	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
≥12000	41.4	51.9	52.6	53.0	53.3	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥10000	42.2	53.5	54.2	54.6	54.9	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
≥9000	42.8	54.5	55.2	55.6	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
≥8000	43.7	55.7	56.3	56.8	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5
≥7000	44.3	56.8	57.4	57.8	58.2	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥6000	44.9	58.1	58.7	59.1	59.5	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥5000	45.6	59.4	60.0	60.4	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥4500	46.9	60.9	61.6	62.0	62.4	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8
≥4000	47.0	61.8	62.8	63.4	63.8	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥3500	48.2	63.5	64.5	65.4	65.7	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
≥3000	48.8	64.8	65.8	66.8	67.1	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥2500	49.1	67.0	68.1	69.0	69.4	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9
≥2000	51.1	70.0	71.1	72.2	72.5	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
≥1800	51.2	70.5	71.6	72.8	73.3	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥1500	53.0	74.2	75.3	76.5	77.0	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.1
≥1200	53.4	76.3	77.5	78.8	79.4	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.4
≥1000	54.3	78.3	79.8	81.2	81.8	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.9
≥900	54.4	79.1	80.9	82.4	83.0	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.5	84.6
≥800	55.2	81.4	83.2	84.9	85.9	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.5	87.6
≥700	55.3	82.6	84.6	86.5	87.6	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.4	89.5
≥600	55.3	83.8	85.9	88.0	89.1	89.9	90.2	90.6	90.8	90.9	90.9	90.9	90.9	91.1	91.2	91.3
≥500	55.4	84.9	87.4	89.9	91.4	92.2	92.7	93.3	93.5	93.7	93.7	93.7	93.9	94.0	94.1	94.1
≥400	55.4	85.3	88.5	91.0	92.5	93.2	94.0	94.7	94.9	95.2	95.2	95.2	95.4	95.5	95.6	95.8
≥300	55.4	85.4	88.6	91.5	93.1	94.0	95.3	96.1	96.3	96.6	96.7	96.7	97.0	97.1	97.3	97.5
≥200	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.5	98.0	98.2	98.6	99.0
≥100	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.6	98.1	98.6	99.2	99.9
≥0	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.6	98.1	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	34.3	41.6	42.9	44.6	45.6	46.1	46.6	46.9	47.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	35.7	43.2	44.5	46.3	47.3	48.0	48.4	48.7	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	35.8	43.4	44.8	46.7	47.6	48.3	48.7	49.0	49.1	49.4	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	35.9	43.7	45.1	46.9	47.8	48.5	48.9	49.2	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	36.3	44.4	45.8	47.6	48.6	49.2	49.7	50.0	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	36.8	44.9	46.3	48.2	49.1	49.8	50.2	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	38.1	47.2	48.6	50.6	51.6	52.3	52.7	53.0	53.1	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	38.4	47.7	49.1	51.2	52.2	52.8	53.2	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	39.0	48.4	50.0	52.0	53.0	53.8	54.2	54.5	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.1
≥ 7000	39.6	49.2	50.9	52.9	53.9	54.6	55.1	55.4	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000	40.1	49.8	51.5	53.7	54.8	55.7	56.1	56.5	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	41.7	51.9	53.7	55.9	57.1	58.0	58.4	58.7	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4500	42.0	52.6	54.3	56.6	57.7	58.6	59.0	59.4	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9
≥ 4000	42.8	53.8	55.5	57.7	59.1	60.0	60.4	60.8	60.9	61.1	61.3	61.3	61.4	61.4	61.4	61.4
≥ 3500	43.2	54.8	56.6	58.8	60.2	61.1	61.5	61.9	62.0	62.3	62.5	62.7	62.8	62.8	62.8	62.8
≥ 3000	44.5	56.2	58.0	60.2	61.7	62.6	63.0	63.4	63.5	63.8	64.0	64.2	64.3	64.3	64.3	64.3
≥ 2500	45.2	58.7	60.5	63.1	64.6	65.6	66.0	66.5	66.7	67.0	67.2	67.4	67.5	67.5	67.5	67.5
≥ 2000	46.3	60.9	62.7	65.4	67.0	68.2	68.8	69.2	69.5	70.0	70.2	70.4	70.5	70.5	70.5	70.5
≥ 1800	46.3	61.1	62.9	65.6	67.3	68.5	69.1	69.6	69.8	70.3	70.5	70.8	70.9	70.9	70.9	71.0
≥ 1500	47.4	64.1	66.0	69.1	71.1	72.4	73.2	73.8	74.0	74.5	74.7	74.9	75.1	75.1	75.1	75.2
≥ 1200	48.0	66.2	68.3	71.6	73.5	74.9	75.9	76.6	76.9	77.4	77.6	77.8	78.0	78.0	78.0	78.1
≥ 1000	48.2	67.2	69.6	73.1	75.1	76.5	77.4	78.2	78.5	79.1	79.4	79.6	79.7	79.7	79.7	79.8
≥ 900	48.6	69.2	71.6	75.3	77.2	78.8	79.8	80.6	81.0	81.7	81.9	82.2	82.3	82.3	82.3	82.4
≥ 800	49.0	71.0	73.5	77.3	79.9	81.7	82.7	83.7	84.0	84.7	84.9	85.2	85.3	85.3	85.3	85.4
≥ 700	49.4	71.9	74.6	78.7	81.4	83.2	84.4	85.4	85.7	86.5	86.7	86.9	87.0	87.0	87.0	87.1
≥ 600	49.4	73.2	76.2	81.3	84.5	86.6	87.8	88.8	89.1	89.9	90.1	90.3	90.4	90.4	90.4	90.5
≥ 500	49.4	73.8	77.1	82.3	85.7	88.0	89.2	90.2	90.5	91.3	91.6	91.8	91.9	91.9	91.9	92.0
≥ 400	49.4	74.2	77.7	83.5	87.4	89.8	91.6	92.6	92.9	93.7	94.0	94.2	94.3	94.3	94.3	94.9
≥ 300	49.4	74.3	78.0	84.0	87.8	90.3	92.4	93.7	94.1	95.1	95.5	95.7	96.0	96.0	96.2	96.9
≥ 200	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.7	97.7	98.2	98.9
≥ 100	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.8	97.8	98.5	99.4
≥ 0	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.C.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	44.0	50.6	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	47.2	54.7	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	47.6	55.2	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	48.0	55.5	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	48.7	56.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	49.1	57.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	50.8	59.6	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	51.0	59.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	52.5	61.5	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	52.8	62.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	52.8	62.4	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000	54.0	63.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	54.1	64.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	54.1	64.1	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500	55.3	65.7	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3000	56.7	68.2	70.1	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2500	58.2	71.4	73.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2000	60.1	74.8	77.4	78.4	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1800	60.4	75.8	78.4	79.5	80.0	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	63.1	80.2	83.2	84.5	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	63.8	83.0	86.5	87.8	88.8	89.1	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	65.1	85.7	89.7	91.7	92.8	93.2	93.3	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	65.2	86.3	90.3	92.7	94.1	94.5	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	65.2	86.8	91.0	93.4	94.9	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	65.4	87.1	91.4	94.1	95.6	96.0	96.1	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	65.5	87.4	91.9	94.7	96.5	96.9	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	65.5	87.5	92.4	95.3	97.0	97.4	97.7	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	65.5	87.7	92.6	95.5	97.5	98.0	98.4	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	65.5	87.7	92.6	95.5	97.5	98.0	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.6
≥ 200	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

CEILING VERSUS VISIBILITY

102536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	63.3	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 18000	63.9	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	64.0	68.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	65.1	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 12000	65.9	70.2	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 10000	68.7	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	69.2	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	69.8	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	70.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	71.2	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	72.2	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	72.6	78.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	73.5	79.9	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3500	75.6	82.5	83.4	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	77.2	84.8	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	79.6	88.3	89.5	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	80.6	90.1	91.3	91.6	91.8	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	81.0	90.9	92.0	92.4	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	81.9	93.0	94.4	94.7	95.1	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	82.5	94.6	96.2	96.8	97.1	97.2	97.4	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7
≥ 1000	82.6	95.3	97.2	97.7	98.3	98.4	98.6	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
≥ 900	82.6	95.3	97.2	97.7	98.3	98.4	98.6	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
≥ 800	82.7	95.4	97.3	97.8	98.4	98.5	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 700	82.7	95.5	97.4	98.2	98.7	98.8	99.0	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥ 600	82.7	95.5	97.4	98.2	98.7	98.8	99.0	99.1	99.2	99.2	99.4	99.5	99.6	99.6	99.6	99.6
≥ 500	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	82.7	95.6	97.5	98.3	98.8	99.0	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

PANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	64.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	69.1	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 18000	70.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 16000	70.3	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000	71.6	74.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	72.6	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	75.7	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 9000	76.2	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	77.6	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	78.3	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	79.0	84.1	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	80.0	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	80.6	85.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	82.5	88.1	88.6	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	84.5	90.3	90.9	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	85.7	92.2	92.7	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	86.9	93.4	94.1	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	87.5	94.2	94.8	95.5	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	87.6	94.3	94.9	95.6	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	87.8	94.7	95.5	96.2	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	88.0	95.1	95.9	96.8	97.1	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	88.1	95.5	96.3	97.3	97.6	97.6	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	88.2	95.7	96.6	97.5	98.0	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	88.3	95.8	96.8	97.8	98.5	98.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	88.5	96.0	97.0	98.1	98.7	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	88.6	96.1	97.1	98.2	98.8	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	88.6	96.2	97.2	98.3	98.9	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702036

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	66.6	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	70.8	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	71.0	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	71.3	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	72.0	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	73.0	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	75.5	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	75.9	81.3	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 8000	77.1	82.8	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 7000	77.3	83.4	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	78.1	84.2	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000	79.7	86.0	86.5	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	80.9	87.5	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	81.9	88.8	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	83.3	90.5	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	84.7	92.6	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	84.8	93.7	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	85.8	94.6	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	86.1	94.9	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	86.6	95.6	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	86.6	95.7	96.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	87.0	96.5	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	87.0	96.5	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	87.0	96.5	97.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	87.2	96.7	97.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.2	96.8	97.5	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772036

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	63.3	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	66.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 18000	66.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000	66.7	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	67.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	67.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	69.2	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 9000	69.4	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	70.2	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 7000	70.5	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	70.6	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000	71.3	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	72.3	81.7	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	72.6	82.6	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	74.1	84.4	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	74.7	85.4	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	75.3	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	76.3	88.4	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	76.9	89.1	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	78.5	91.5	91.7	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
≥ 1200	79.5	93.2	93.5	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
≥ 1000	81.1	95.6	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 900	81.2	96.0	96.3	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
≥ 800	81.5	96.3	96.7	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 700	81.6	96.5	96.9	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
≥ 600	81.8	96.7	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 500	81.8	97.0	97.4	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 400	81.8	97.0	97.4	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4
≥ 300	81.8	97.1	97.5	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 200	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8
≥ 100	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9
≥ 0	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	52.3	58.9	59.4	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	55.6	62.3	62.8	63.2	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	55.9	62.6	63.1	63.5	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	56.1	62.9	63.4	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	56.8	63.7	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	57.3	64.5	65.0	65.4	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	59.3	67.1	67.7	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	59.7	67.6	68.1	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1
≥ 8000	60.6	68.8	69.4	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	61.1	69.7	70.3	70.8	71.0	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	61.6	70.3	71.0	71.5	71.7	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	62.6	71.7	72.4	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	63.4	72.6	73.4	73.9	74.1	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	64.0	73.6	74.5	75.1	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	65.4	75.4	76.3	77.0	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7
≥ 3000	66.5	77.2	78.1	78.8	79.1	79.2	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	67.5	79.3	80.3	81.1	81.5	81.6	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
≥ 2000	68.8	81.3	82.4	83.3	83.7	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1800	69.0	81.9	83.0	83.9	84.4	84.6	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1
≥ 1500	70.3	84.5	85.6	86.7	87.3	87.5	87.8	87.9	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1
≥ 1200	71.0	86.3	87.6	88.8	89.3	89.6	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3
≥ 1000	71.7	87.8	89.3	90.6	91.3	91.6	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 900	71.8	88.5	90.1	91.5	92.2	92.6	92.8	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4
≥ 800	72.1	89.3	91.0	92.5	93.5	93.9	94.1	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7	94.7
≥ 700	72.4	89.9	91.7	93.4	94.4	94.8	95.0	95.3	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6
≥ 600	72.5	90.4	92.3	94.2	95.3	95.7	96.0	96.3	96.3	96.5	96.5	96.6	96.6	96.7	96.7	96.7
≥ 500	72.5	90.8	92.8	94.8	96.0	96.5	96.9	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7
≥ 400	72.5	91.0	93.1	95.2	96.6	97.1	97.6	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 300	72.5	91.0	93.2	95.4	96.7	97.3	97.9	98.3	98.4	98.6	98.7	98.8	98.9	98.9	98.9	99.1
≥ 200	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.3	99.4	99.6
≥ 100	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.6	99.8
≥ 0	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	51.8	56.2	56.2	56.3	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
≥20000	52.8	57.4	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2
≥18000	52.8	57.4	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2
≥16000	53.2	57.9	57.9	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥14000	53.2	57.9	57.9	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥12000	53.2	58.1	58.1	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9
≥10000	54.3	59.6	59.7	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥9000	54.3	59.6	59.7	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥8000	54.7	59.9	60.0	60.1	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
≥7000	55.0	61.0	61.1	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥6000	56.8	62.1	62.2	62.3	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
≥5000	57.7	63.4	63.6	63.7	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
≥4500	58.0	64.0	64.1	64.2	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥4000	58.4	64.7	64.8	64.9	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6
≥3500	59.4	65.8	65.9	66.0	66.3	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7
≥3000	59.9	66.6	66.7	66.9	67.3	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7
≥2500	62.3	70.1	70.3	70.6	71.2	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
≥2000	63.9	72.2	72.4	72.7	73.3	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥1800	64.2	73.6	73.8	74.0	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥1500	65.0	75.7	75.9	76.2	77.1	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9
≥1200	66.0	78.9	79.2	79.6	80.6	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥1000	66.2	81.0	81.7	82.1	83.1	83.3	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥900	66.3	82.2	83.1	83.7	84.7	84.9	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.6
≥800	66.7	83.8	85.2	85.9	87.1	87.3	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥700	66.8	85.2	87.1	88.1	89.4	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3
≥600	66.8	86.0	88.2	89.7	91.1	91.3	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥500	66.8	86.8	89.1	91.2	93.3	93.6	93.9	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥400	66.8	87.3	89.9	92.7	95.4	95.7	96.1	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥300	66.8	87.3	90.1	92.9	95.9	96.1	96.8	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	98.1
≥200	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥100	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥0	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

NGV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	46.3	49.7	49.9	50.4	50.9	50.9	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.8
≥ 20000	46.8	50.7	50.9	51.4	51.9	51.9	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.8
≥ 18000	46.8	50.7	50.9	51.4	51.9	51.9	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.8
≥ 16000	47.0	50.9	51.1	51.7	52.1	52.1	52.2	52.3	52.4	52.6	52.6	52.6	52.6	52.7	52.7	53.0
≥ 14000	47.1	51.1	51.3	51.9	52.3	52.3	52.4	52.6	52.7	52.8	52.8	52.8	52.8	52.9	52.9	53.2
≥ 12000	47.2	51.3	51.6	52.1	52.6	52.6	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.1	53.1	53.4
≥ 10000	48.0	52.2	52.4	53.0	53.4	53.4	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.1	54.1	54.4
≥ 9000	48.1	52.3	52.6	53.1	53.6	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.4
≥ 8000	49.2	53.4	53.7	54.2	54.7	54.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.6
≥ 7000	49.8	54.0	54.2	54.8	55.2	55.2	55.3	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8	56.1
≥ 6000	50.1	54.6	54.8	55.4	55.9	55.9	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.8
≥ 5000	51.2	55.9	56.1	56.8	57.2	57.2	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.8	57.8	58.1
≥ 4500	52.1	57.1	57.3	58.0	58.4	58.4	58.6	58.7	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.3
≥ 4000	52.2	57.7	57.9	58.6	59.0	59.0	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.6	59.6	59.9
≥ 3500	52.6	58.8	59.0	59.7	60.1	60.1	60.2	60.3	60.4	60.6	60.6	60.6	60.6	60.7	60.7	61.0
≥ 3000	53.3	59.9	60.1	60.9	61.3	61.3	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.9	61.9	62.2
≥ 2500	54.4	63.1	63.3	64.1	64.7	64.7	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.8
≥ 2000	56.1	65.9	66.1	66.9	67.4	67.4	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.6
≥ 1800	57.0	67.3	67.7	68.4	69.1	69.1	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.9	69.9	70.2
≥ 1500	57.8	69.9	70.2	71.2	72.2	72.2	72.4	72.7	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.3
≥ 1200	59.1	73.0	73.4	74.6	75.7	75.7	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.8
≥ 1000	59.2	75.4	76.2	77.4	78.6	78.6	78.8	79.2	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.9
≥ 900	59.4	77.3	78.2	79.6	80.9	80.9	81.1	81.6	81.7	81.8	81.8	81.8	81.8	81.9	81.9	82.2
≥ 800	59.6	78.3	79.3	80.9	82.4	82.4	82.7	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.8
≥ 700	59.8	79.6	80.8	82.9	84.6	84.6	84.8	85.3	85.4	85.6	85.6	85.6	85.6	85.7	85.7	86.0
≥ 600	60.0	81.1	82.4	85.1	86.9	86.9	87.3	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.8
≥ 500	60.0	82.0	83.4	86.9	89.3	89.4	90.0	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.4
≥ 400	60.0	82.1	83.9	88.0	91.3	91.4	92.1	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.6
≥ 300	60.0	82.1	84.0	88.3	92.3	92.8	93.9	94.7	94.9	95.0	95.0	95.0	95.0	95.1	95.1	95.7
≥ 200	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.2	96.3	96.3	96.4	96.8	96.9	97.7
≥ 100	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.4	96.6	96.6	96.7	97.0	97.7	98.9
≥ 0	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.4	96.6	96.6	96.8	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

102536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.3	43.6	44.1	44.7	45.6	45.6	46.2	46.2	46.2	46.7	46.7	46.7	46.8	46.8	46.9	47.0
≥ 20000	39.9	44.2	44.8	45.3	46.2	46.3	47.0	47.0	47.0	47.4	47.4	47.4	47.6	47.6	47.7	47.8
≥ 18000	40.1	44.4	45.0	45.6	46.4	46.6	47.2	47.2	47.2	47.7	47.7	47.7	47.8	47.8	47.9	48.0
≥ 16000	40.1	44.4	45.0	45.6	46.4	46.6	47.2	47.2	47.2	47.7	47.7	47.7	47.8	47.8	47.9	48.0
≥ 14000	40.4	45.3	45.6	46.1	47.0	47.1	47.8	47.8	47.8	48.2	48.2	48.2	48.3	48.3	48.4	48.6
≥ 12000	40.8	45.4	46.0	46.6	47.4	47.6	48.2	48.2	48.2	48.7	48.7	48.7	48.8	48.8	48.9	49.0
≥ 10000	42.4	47.4	48.0	48.6	49.4	49.6	50.2	50.2	50.2	50.7	50.7	50.7	50.8	50.8	50.9	51.0
≥ 9000	42.7	47.7	48.2	48.8	49.7	49.8	50.4	50.4	50.4	50.9	50.9	50.9	51.0	51.0	51.1	51.2
≥ 8000	43.9	48.9	49.6	50.1	51.2	51.3	52.0	52.0	52.0	52.4	52.4	52.4	52.6	52.6	52.7	52.8
≥ 7000	44.9	50.0	50.8	51.3	52.4	52.6	53.2	53.2	53.2	53.7	53.7	53.7	53.8	53.8	53.9	54.0
≥ 6000	45.6	51.9	51.7	52.2	53.3	53.4	54.1	54.1	54.1	54.6	54.6	54.6	54.7	54.7	54.8	54.9
≥ 5000	46.7	52.3	53.2	53.8	54.9	55.0	55.7	55.7	55.7	56.1	56.1	56.1	56.2	56.2	56.3	56.4
≥ 4500	46.8	52.8	53.7	54.2	55.3	55.4	56.1	56.1	56.1	56.6	56.6	56.6	56.7	56.7	56.8	56.9
≥ 4000	46.9	53.4	54.6	55.1	56.2	56.3	57.0	57.0	57.0	57.4	57.4	57.4	57.6	57.6	57.7	57.8
≥ 3500	47.2	54.2	55.3	56.0	57.1	57.3	58.0	58.0	58.0	58.4	58.4	58.4	58.6	58.6	58.7	58.8
≥ 3000	47.9	55.3	56.6	57.2	58.3	58.6	59.2	59.2	59.3	59.8	59.8	59.8	59.9	59.9	60.0	60.1
≥ 2500	48.8	58.7	59.9	60.8	62.4	62.7	63.3	63.3	63.4	63.9	63.9	63.9	64.0	64.0	64.1	64.2
≥ 2000	50.6	61.0	62.4	63.3	65.0	65.2	65.9	65.9	66.0	66.4	66.4	66.4	66.6	66.6	66.7	66.8
≥ 1800	50.9	61.4	63.0	63.9	65.6	65.8	66.4	66.4	66.6	67.0	67.0	67.0	67.1	67.1	67.2	67.3
≥ 1500	52.3	65.2	66.8	67.8	69.4	69.7	70.7	70.7	70.8	71.2	71.3	71.3	71.4	71.4	71.7	71.8
≥ 1200	53.1	67.1	68.8	70.0	71.7	71.9	72.9	72.9	73.0	73.4	73.6	73.6	73.7	73.7	73.9	74.0
≥ 1000	53.7	68.1	69.9	71.2	72.9	73.2	74.2	74.3	74.6	75.0	75.1	75.1	75.2	75.2	75.4	75.6
≥ 900	53.3	69.4	71.8	73.3	75.3	75.7	76.7	77.0	77.2	77.7	77.8	77.8	78.0	78.0	78.2	78.3
≥ 800	53.8	70.6	73.1	75.1	77.1	77.4	78.7	79.0	79.2	79.7	79.8	79.8	80.0	80.0	80.2	80.3
≥ 700	54.0	72.2	75.0	77.4	79.8	80.2	81.6	82.0	82.2	82.7	82.8	82.8	83.0	83.0	83.2	83.3
≥ 600	54.0	73.6	76.6	79.6	82.4	82.9	84.2	84.8	85.0	85.4	85.6	85.6	85.8	85.8	86.0	86.1
≥ 500	54.0	74.2	77.4	80.7	84.1	84.6	86.1	86.7	86.9	87.4	87.6	87.6	87.8	87.8	88.0	88.1
≥ 400	54.0	74.2	77.4	81.1	85.0	85.7	87.8	88.6	88.8	89.6	89.8	89.8	90.1	90.1	90.6	90.8
≥ 300	54.0	74.3	77.7	81.3	85.6	86.4	88.7	89.7	90.1	91.3	91.8	91.8	92.2	92.2	92.7	93.6
≥ 200	54.0	74.3	77.7	81.3	85.6	86.6	88.9	90.1	90.7	92.2	92.7	92.7	93.3	93.7	94.4	96.2
≥ 100	54.0	74.3	77.7	81.3	85.6	86.6	89.0	90.2	90.8	92.3	92.8	92.8	93.6	94.1	95.1	98.8
≥ 0	54.0	74.3	77.7	81.3	85.6	86.6	89.0	90.2	90.8	92.3	92.8	92.8	93.6	94.1	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

782536
STATION

HANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0930-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	45.3	48.3	48.3	48.4	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	45.3	49.3	49.3	49.4	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 18000	46.1	49.6	49.6	49.7	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	46.3	49.8	49.8	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	46.7	50.1	50.1	50.2	50.3	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000	47.9	51.3	51.3	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	49.3	53.0	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 9000	49.9	53.7	53.7	53.8	53.9	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	51.4	55.4	55.4	55.7	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	52.6	56.6	56.7	56.9	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 6000	53.2	57.2	57.3	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 5000	54.9	59.6	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	55.3	60.0	60.1	60.6	60.7	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4000	56.0	60.8	61.1	61.6	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3500	56.6	61.8	62.2	62.7	62.8	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	58.8	64.2	64.7	65.2	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2500	61.3	68.3	68.9	69.4	69.7	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	62.9	71.3	71.9	72.6	73.0	73.0	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	63.7	72.1	72.7	73.3	73.8	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1500	65.2	75.0	75.8	76.6	77.4	77.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200	65.9	77.1	78.6	79.6	80.4	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1000	66.6	79.9	81.4	82.9	83.8	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	66.8	80.9	82.4	83.9	84.9	85.0	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	66.9	81.9	83.7	85.1	86.3	86.4	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	67.1	83.8	85.7	87.9	89.6	89.7	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	67.1	84.7	86.8	89.0	91.1	91.3	92.7	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 500	67.1	84.9	87.1	89.8	92.0	92.2	93.9	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	67.1	84.9	87.2	89.9	92.4	92.8	94.4	94.9	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300	67.1	84.9	87.3	90.0	92.8	93.1	94.9	95.3	95.6	97.0	97.6	97.6	97.8	97.9	98.0	98.0
≥ 200	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.0	98.1	98.7	98.7
≥ 100	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.1	98.3	99.4	99.8
≥ 0	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.1	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	56.1 59.8	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9
≥ 18000 N 16000	60.0 60.0	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1	62.1 62.1
≥ 14000 N 12000	60.2 61.0	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1	62.3 63.1
≥ 10000 N 9000	61.8 62.3	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0
≥ 8000 N 7000	63.9 65.3	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7
≥ 6000 N 5000	66.0 67.7	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4	69.6 71.4
≥ 4500 N 4000	68.1 69.4	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8
≥ 3500 N 3000	70.6 74.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4	75.3 79.4
≥ 2500 N 2000	77.2 79.2	83.7 87.2	83.7 87.2	83.8 87.3	83.9 87.6	83.9 87.6	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9	84.1 87.9
≥ 1800 N 1500	79.6 79.7	88.1 88.9	88.1 89.0	88.2 89.1	88.4 89.3	88.4 89.3	88.8 89.7	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8	88.9 89.8
≥ 1200 N 1000	81.1 81.4	91.2 92.3	91.3 92.6	91.7 93.2	91.9 93.6	91.9 93.7	92.2 94.0	92.3 94.1	92.4 94.2	92.4 94.2	92.4 94.2	92.4 94.2	92.4 94.2	92.4 94.2	92.4 94.2	92.4 94.2
≥ 900 N 800	81.4 81.7	92.7 93.2	92.9 93.8	93.7 94.6	94.2 95.1	94.3 95.2	94.7 95.8	94.8 95.9	94.9 96.0	94.9 96.2	94.9 96.3	94.9 96.3	94.9 96.3	94.9 96.3	94.9 96.3	94.9 96.3
≥ 700 N 600	81.7 81.7	93.7 93.8	94.3 94.7	95.2 95.6	95.8 96.3	95.9 96.4	96.4 97.0	96.7 97.2	96.8 97.3	97.1 97.7	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8
≥ 500 N 400	81.7 81.7	93.8 93.9	94.7 94.9	95.9 96.2	96.8 97.2	96.9 97.3	97.6 98.2	98.0 98.8	98.1 98.9	98.6 99.4	98.7 99.6	98.7 99.6	98.7 99.6	98.7 99.6	98.7 99.6	98.7 99.6
≥ 300 N 200	81.7 81.7	93.9 93.9	94.9 94.9	96.2 96.2	97.2 97.2	97.3 97.3	98.2 98.2	98.8 98.8	98.9 98.9	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 100 N 0	81.7 81.7	93.9 93.9	94.9 94.9	96.2 96.2	97.2 97.2	97.3 97.3	98.2 98.2	98.8 98.8	98.9 98.9	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	62.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	66.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	67.3	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	67.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 14000	68.8	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	71.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	72.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	73.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	74.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	76.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	77.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	79.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	80.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	82.2	87.3	87.3	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	84.3	90.2	90.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	84.9	91.3	91.3	92.0	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	84.9	91.3	91.3	92.1	92.2	92.2	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	85.3	91.9	92.0	92.8	92.9	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	85.6	92.7	93.0	93.8	93.9	93.9	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	86.0	93.4	94.0	94.9	95.1	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	86.2	93.7	94.2	95.1	95.3	95.4	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	86.2	93.7	94.3	95.3	95.6	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	86.2	93.9	94.8	95.8	96.2	96.3	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	86.3	94.2	95.1	96.1	96.7	96.8	97.2	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	86.3	94.3	95.3	96.6	97.3	97.4	97.9	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0
≥ 100	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0
≥ 0	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	63.2	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	66.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 18000	67.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	67.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	67.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	68.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000	69.3	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	69.3	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	70.2	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	71.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	72.1	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	73.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	74.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	75.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	76.8	81.8	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	78.7	84.3	84.7	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	80.3	87.4	88.0	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	81.6	89.1	89.9	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	81.7	89.2	90.0	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	82.2	90.2	91.1	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	82.9	91.6	92.7	93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	83.1	92.0	93.2	94.3	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	83.1	92.1	93.3	94.4	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	83.1	92.6	93.9	95.1	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	83.1	92.6	94.0	95.6	96.4	96.4	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	83.1	92.8	94.2	95.8	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 500	83.1	93.0	94.4	96.2	97.1	97.2	97.8	97.9	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.6
≥ 400	83.1	93.1	94.6	96.3	97.3	97.4	98.0	98.1	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 300	83.1	93.1	94.6	96.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 200	83.1	93.1	94.6	96.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.8	99.8
≥ 100	83.1	93.1	94.6	96.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	83.1	93.1	94.6	96.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	64.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 20000	65.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	66.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000	66.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 14000	66.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 12000	67.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	67.8	70.2	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	67.8	70.2	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	68.2	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	69.3	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	69.9	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	71.3	74.3	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	71.6	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	72.8	76.4	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	73.3	77.3	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	74.4	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	76.9	82.4	82.6	82.9	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	78.7	84.8	84.9	85.3	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	78.9	85.1	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	79.3	86.4	87.0	87.6	87.8	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	80.0	89.8	90.3	91.1	91.3	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	80.8	91.4	92.0	92.8	93.1	93.2	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	80.8	92.0	92.7	93.7	94.1	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	80.8	92.9	93.7	94.8	95.4	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	80.8	93.3	94.1	95.3	96.3	96.4	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	80.8	93.4	94.2	95.4	96.4	96.6	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	80.8	93.4	94.3	95.7	96.8	96.9	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	80.8	93.4	94.3	95.7	96.8	96.9	97.7	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	80.8	93.4	94.3	95.7	96.8	96.9	97.9	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 100	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.3	99.3
≥ 0	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.2	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.6	56.4	56.5	56.7	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3
≥ 20000	55.6	58.6	58.8	58.9	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥ 18000	55.8	58.9	59.0	59.2	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8
≥ 16000	56.0	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0
≥ 14000	56.3	59.5	59.6	59.8	60.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 12000	57.0	60.2	60.3	60.5	60.7	60.7	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 10000	57.9	61.5	61.6	61.8	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4
≥ 9000	58.2	61.7	61.9	62.0	62.3	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 8000	59.2	62.9	63.0	63.2	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9
≥ 7000	60.3	64.2	64.3	64.5	64.8	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥ 6000	61.0	65.0	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0
≥ 5000	62.4	66.8	67.0	67.2	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9
≥ 4500	63.0	67.6	67.8	68.0	68.3	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7
≥ 4000	63.8	68.7	69.0	69.2	69.5	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9
≥ 3500	64.6	69.9	70.2	70.5	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
≥ 3000	66.2	72.0	72.3	72.7	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
≥ 2500	68.3	75.5	75.9	76.4	76.9	76.9	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4
≥ 2000	69.7	77.9	78.3	78.8	79.4	79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 1800	70.1	78.5	79.0	79.6	80.1	80.2	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8
≥ 1500	70.9	80.4	81.0	81.6	82.3	82.4	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1
≥ 1200	71.7	82.7	83.4	84.2	85.0	85.0	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 1000	72.1	84.2	85.1	86.1	86.9	87.0	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8
≥ 900	72.2	85.0	86.1	87.2	88.1	88.2	88.6	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.1
≥ 800	72.3	85.9	87.1	88.3	89.4	89.5	90.1	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 700	72.4	86.8	88.2	89.8	91.0	91.2	91.8	92.0	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.5
≥ 600	72.5	87.4	89.0	90.8	92.2	92.4	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8
≥ 500	72.5	87.8	89.5	91.6	93.3	93.5	94.3	94.7	94.8	95.1	95.2	95.2	95.2	95.2	95.3	95.3
≥ 400	72.5	87.9	89.7	92.1	94.2	94.4	95.3	95.7	95.8	96.4	96.4	96.4	96.5	96.5	96.6	96.7
≥ 300	72.5	87.9	89.8	92.2	94.4	94.8	95.9	96.4	96.5	97.3	97.5	97.5	97.6	97.6	97.7	97.9
≥ 200	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.7	97.9	97.9	98.1	98.2	98.5	98.8
≥ 100	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.8	98.0	98.0	98.2	98.4	98.8	99.5
≥ 0	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.8	98.0	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (LST.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.5	52.6	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.4
≥ 20000	51.7	56.1	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 18000	52.2	56.6	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5
≥ 16000	52.4	56.8	57.3	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.7
≥ 14000	53.3	57.7	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
≥ 12000	53.3	57.7	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.8
≥ 10000	53.9	58.3	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.4
≥ 9000	53.9	58.3	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.4
≥ 8000	54.2	58.9	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	60.0
≥ 7000	54.7	59.6	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
≥ 6000	55.4	60.2	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.3
≥ 5000	56.7	61.6	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.7
≥ 4500	58.5	63.9	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.9
≥ 4000	59.4	64.8	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	65.9
≥ 3500	60.0	65.5	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.5	66.5	66.6
≥ 3000	61.6	68.1	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.1
≥ 2500	63.0	70.1	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3
≥ 2000	64.3	71.9	72.6	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.1	73.2
≥ 1800	65.3	73.2	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.5
≥ 1500	66.6	75.6	76.2	76.3	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.3
≥ 1200	67.6	78.3	79.0	79.1	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.2
≥ 1000	68.3	80.0	81.0	81.3	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.6
≥ 900	68.5	81.4	82.6	83.0	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.5
≥ 800	68.7	83.5	85.1	85.5	86.3	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.1
≥ 700	69.1	84.4	86.2	86.8	87.8	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.6
≥ 600	69.6	85.5	87.3	87.8	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.7
≥ 500	69.6	86.1	88.1	88.8	90.2	90.2	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.4	91.4	91.5
≥ 400	69.7	86.3	88.4	89.2	90.9	91.0	91.7	91.9	92.2	92.4	92.4	92.4	92.4	92.8	92.8	92.9
≥ 300	69.7	86.6	88.7	89.9	91.8	92.3	93.2	93.7	93.9	94.2	94.3	94.3	94.3	94.7	94.7	94.9
≥ 200	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	95.9	95.9	95.9	96.5	96.5	96.7
≥ 100	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	96.1	96.1	96.1	96.7	96.7	97.3
≥ 0	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	96.1	96.1	96.1	96.7	96.7	97.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

HANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.3	49.0	49.2	49.5	49.7	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.8	51.0
≥ 20000	46.5	51.6	51.8	52.0	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.2	53.7
≥ 18000	46.7	51.8	52.0	52.3	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.4	53.4	53.9
≥ 16000	47.1	52.3	52.5	52.7	53.0	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.9	53.9	54.1
≥ 14000	48.1	53.2	53.4	53.7	54.0	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.8	54.8	55.1
≥ 12000	48.4	53.5	53.8	54.0	54.3	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.6
≥ 10000	48.8	54.0	54.2	54.4	54.7	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.6	55.6	55.8
≥ 9000	49.0	54.2	54.4	54.6	54.9	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.8	55.8	56.0
≥ 8000	49.9	55.4	55.6	55.8	56.1	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.2
≥ 7000	50.6	56.7	56.9	57.1	57.4	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.5
≥ 6000	50.8	56.8	57.0	57.2	57.5	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.6
≥ 5000	51.5	57.6	57.8	58.1	58.4	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.5
≥ 4500	52.0	58.7	58.9	59.1	59.5	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.5
≥ 4000	52.6	59.6	59.8	60.0	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.4
≥ 3500	53.3	60.5	60.8	61.0	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.2	62.2	62.4
≥ 3000	54.6	62.2	62.4	62.6	63.0	63.1	63.5	63.5	63.7	63.7	63.7	63.7	63.7	64.0	64.0	64.2
≥ 2500	56.6	64.8	65.1	65.3	65.7	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.9
≥ 2000	57.8	66.9	67.1	67.3	67.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.9
≥ 1800	58.6	68.0	68.2	68.5	68.9	69.0	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.9	69.9	70.1
≥ 1500	60.2	70.3	70.5	70.9	71.4	71.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.4	72.4	72.6
≥ 1200	60.6	72.6	73.0	73.4	74.0	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.9	74.9	75.3
≥ 1000	61.7	74.6	75.5	76.2	77.0	77.1	77.6	77.6	77.7	77.7	77.7	77.7	77.7	78.1	78.1	78.4
≥ 900	62.2	75.8	76.7	77.4	78.2	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.6
≥ 800	62.3	77.5	78.8	79.7	80.5	80.6	81.2	81.2	81.3	81.4	81.5	81.5	81.5	81.8	81.8	82.2
≥ 700	62.7	79.4	80.8	82.0	82.9	83.0	83.8	83.8	83.9	84.0	84.1	84.1	84.1	84.4	84.4	84.7
≥ 600	62.7	80.4	82.2	83.9	84.9	85.1	85.9	85.9	86.0	86.2	86.3	86.3	86.3	86.7	86.7	87.0
≥ 500	62.7	80.6	82.4	84.5	86.1	86.3	87.5	87.6	88.0	88.2	88.5	88.5	88.5	88.8	88.8	89.2
≥ 400	62.7	80.6	82.5	84.9	86.9	87.1	88.3	88.5	88.8	89.1	89.5	89.5	89.5	89.9	89.9	90.3
≥ 300	62.7	80.6	82.6	85.3	87.4	87.8	89.1	89.6	90.1	90.6	91.5	91.5	91.5	91.9	91.9	92.4
≥ 200	62.7	80.6	82.6	85.5	87.7	88.2	89.6	90.0	90.8	91.4	92.4	92.4	92.4	93.1	93.2	94.2
≥ 100	62.7	80.6	82.6	85.5	87.7	88.2	89.7	90.1	90.9	91.5	92.8	92.8	92.8	93.5	93.7	95.1
≥ 0	62.7	80.6	82.6	85.5	87.7	88.2	89.7	90.1	90.9	91.5	92.8	92.8	92.8	93.5	93.8	95.2

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.1	43.1	43.4	44.1	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.4	45.4	45.7	45.9
IV 20000	41.6	45.8	46.1	46.8	47.3	47.6	47.8	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.4	48.5
IV 18000	41.7	45.9	46.2	46.9	47.4	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.2	48.5	48.6
IV 16000	42.6	46.8	47.1	47.7	48.3	48.6	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.4	49.5
IV 14000	43.7	47.8	48.2	48.8	49.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.4	50.5
IV 12000	45.1	49.4	49.7	50.3	50.9	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.9	52.0
IV 10000	45.4	49.7	50.0	50.6	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.9	51.9	52.3	52.4
IV 9000	45.6	49.9	50.2	50.9	51.4	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.2	52.2	52.5	52.6
IV 8000	46.6	51.2	51.5	52.2	52.8	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.9	54.0
IV 7000	48.0	52.9	53.2	53.9	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.6	55.7
IV 6000	48.5	53.7	54.0	54.6	55.3	55.6	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.3	56.5
IV 5000	49.1	54.6	54.9	55.6	56.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.3	57.4
IV 4500	49.7	55.5	55.8	56.5	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8	58.2	58.3
IV 4000	50.6	56.7	57.0	57.6	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.4	59.5
IV 3500	51.7	58.0	58.3	58.9	59.6	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.6	60.8
IV 3000	52.0	58.5	58.8	59.5	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.9	60.9	61.2	61.3
IV 2500	52.9	60.5	61.1	61.7	62.4	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.4	63.5
IV 2000	53.8	62.9	63.5	64.4	65.1	65.4	65.6	65.6	65.6	65.7	65.7	65.7	66.0	66.0	66.3	66.5
IV 1800	54.5	63.8	64.5	65.5	66.1	66.5	66.7	66.7	66.8	66.8	66.8	66.8	67.1	67.1	67.4	67.5
IV 1500	56.3	66.5	67.3	68.7	69.5	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.6	70.6	71.0	71.1
IV 1200	57.5	68.7	70.0	71.5	72.3	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.4	73.4	73.8	73.9
IV 1000	58.4	71.0	72.4	74.2	75.2	75.5	76.0	76.0	76.1	76.1	76.1	76.2	76.6	76.6	76.9	77.0
IV 900	58.8	72.4	73.8	75.9	77.0	77.4	78.0	78.0	78.1	78.2	78.2	78.3	78.6	78.6	78.9	79.0
IV 800	59.0	73.2	74.8	77.1	78.5	78.9	79.6	79.6	79.7	79.8	79.8	79.9	80.2	80.2	80.5	80.6
IV 700	59.0	75.1	77.0	79.4	81.2	81.8	82.7	82.7	82.8	82.9	83.0	83.1	83.4	83.4	83.8	83.9
IV 600	59.0	75.6	77.6	80.3	82.3	82.9	84.0	84.1	84.3	84.4	84.6	84.7	85.3	85.3	85.6	85.7
IV 500	59.0	76.1	78.3	81.3	83.3	84.3	85.7	85.8	86.0	86.3	86.8	86.9	87.4	87.4	87.8	88.0
IV 400	59.0	76.2	78.6	81.8	84.5	85.5	87.0	87.2	87.4	88.0	88.5	88.6	89.4	89.5	90.1	90.3
IV 300	59.0	76.5	78.8	82.0	84.9	86.1	87.7	88.3	88.6	89.4	90.0	90.1	91.0	91.1	91.9	92.5
IV 200	59.0	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.5	91.7	91.8	92.9	93.0	94.2	95.9
IV 100	59.0	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.8	92.3	92.4	94.0	94.1	95.6	98.4
IV 0	59.1	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.8	92.3	92.4	94.1	94.2	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

HANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.4	43.2	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.1	44.1
≥ 20000	44.7	47.6	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.5	48.5
≥ 18000	44.7	47.6	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.5	48.5
≥ 16000	44.8	47.7	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5	48.6	48.6
≥ 14000	46.9	49.7	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.5	50.5
≥ 12000	47.8	51.0	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7	51.8	51.8
≥ 10000	48.5	51.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.6	52.6
≥ 9000	48.6	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.8	52.9	52.9
≥ 8000	50.0	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.4	54.4
≥ 7000	52.3	55.8	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.6	56.7	56.7
≥ 6000	53.1	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.5	57.5
≥ 5000	54.2	57.8	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.8	58.8
≥ 4500	54.6	58.5	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.4	59.5	59.5
≥ 4000	56.6	60.5	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.7	61.7
≥ 3500	57.1	61.2	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.4	62.4
≥ 3000	58.3	62.7	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.8	63.9	63.9
≥ 2500	60.1	65.8	66.1	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.1	67.1
≥ 2000	60.9	68.0	68.7	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.9	69.9
≥ 1800	61.2	68.4	69.2	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.4	70.4
≥ 1500	63.0	71.5	72.7	73.3	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	74.0	74.1	74.1
≥ 1200	64.3	74.8	76.2	76.9	77.2	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.7	77.8	77.8
≥ 1000	64.8	77.2	78.7	79.4	79.7	79.8	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.3	80.4	80.4
≥ 900	64.9	78.0	79.6	80.3	80.8	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.4	81.5	81.5
≥ 800	65.5	79.0	80.9	81.7	82.4	82.5	82.5	82.9	82.9	83.0	83.1	83.1	83.1	83.3	83.4	83.4
≥ 700	65.5	80.0	81.9	83.1	84.2	84.3	84.5	85.2	85.3	85.4	85.5	85.5	85.5	85.7	85.8	85.8
≥ 600	65.5	80.6	82.7	84.2	85.4	85.5	85.9	87.0	87.2	87.3	87.6	87.6	87.7	88.0	88.1	88.1
≥ 500	65.5	80.9	83.1	85.1	86.9	87.1	88.1	89.4	89.6	89.9	90.5	90.5	90.6	90.9	91.0	91.0
≥ 400	65.5	81.1	83.5	85.7	87.7	88.0	89.1	90.8	91.2	92.0	92.7	92.7	92.8	93.1	93.3	93.4
≥ 300	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.1	95.1	95.1	95.6	96.0	96.6	96.8
≥ 200	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.6	97.0	97.7	98.1
≥ 100	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.7	97.1	98.1	99.6
≥ 0	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.7	97.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	47.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	54.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	54.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	55.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	56.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000	57.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 9000	58.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 8000	59.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 7000	61.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	62.5	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 5000	63.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	64.5	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	66.5	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3500	67.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3000	69.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500	72.5	76.9	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2000	74.8	80.1	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	75.4	81.2	81.5	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1500	77.7	85.3	85.8	86.1	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	78.4	87.1	87.8	88.2	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	78.8	88.7	89.6	90.0	90.4	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	78.9	89.2	90.4	90.9	91.4	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 800	79.1	89.9	91.1	91.6	92.3	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	79.1	90.3	91.7	92.4	93.1	93.4	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 600	79.1	90.3	91.9	93.0	94.2	94.5	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 500	79.1	90.3	91.9	93.1	94.7	95.1	95.6	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	79.1	90.3	92.0	93.4	95.6	95.9	96.5	97.5	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	79.1	90.3	92.0	93.4	95.8	96.1	96.7	98.0	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.4
IV 200	79.1	90.3	92.0	93.4	95.8	96.1	96.8	98.1	98.4	99.1	99.6	99.6	99.7	99.7	99.7	99.9
≥ 100	79.1	90.3	92.0	93.4	95.8	96.1	96.8	98.1	98.4	99.1	99.6	99.6	99.7	99.7	99.7	100.0
IV 0	79.1	90.3	92.0	93.4	95.8	96.1	96.8	98.1	98.4	99.1	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

172536

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 18000	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	59.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	61.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	62.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	62.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	64.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	66.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	67.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	69.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4500	71.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	72.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	73.9	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	79.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	81.1	85.6	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	82.4	87.2	87.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	82.7	88.2	88.6	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	83.1	90.1	90.8	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	83.8	91.4	92.2	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	84.2	91.9	92.9	93.8	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	84.2	91.9	92.9	93.8	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	84.2	91.9	93.0	93.9	95.1	95.1	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	84.4	92.3	93.4	94.3	95.6	95.6	95.8	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	84.4	92.4	93.7	94.7	96.1	96.2	96.5	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	84.4	92.5	93.9	95.2	96.7	96.8	97.0	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	84.4	92.5	94.0	95.5	97.1	97.2	97.5	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.1	99.1	99.2	99.2	99.2	99.2
≥ 200	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.2	99.2	99.2	99.6	99.6	99.6
≥ 100	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.2	99.2	99.2	99.6	99.6	99.6
≥ 0	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.2	99.2	99.2	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	56.2	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 18000	63.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	64.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	64.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	65.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	65.5	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 9000	66.2	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	66.5	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 7000	67.7	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 6000	68.8	71.7	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 5000	67.6	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	70.4	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4000	72.3	76.1	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3500	73.6	77.5	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3000	74.6	78.9	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5
IV 2500	77.9	83.2	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9
IV 2000	78.6	86.5	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9
IV 1800	79.3	87.7	88.3	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3
IV 1500	79.3	87.9	88.6	88.9	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6
IV 1200	79.8	89.2	89.9	90.6	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6
IV 1000	79.9	90.0	90.8	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7
IV 900	80.8	91.4	92.3	93.1	94.3	94.3	94.5	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7
IV 800	80.9	91.5	92.6	93.3	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9
IV 700	81.0	91.8	92.9	93.6	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3
IV 600	81.0	92.1	93.2	94.2	95.5	95.5	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0
IV 500	81.0	92.6	93.7	94.7	96.1	96.1	96.4	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7
IV 400	81.0	92.7	93.9	94.8	96.4	96.4	96.9	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4
IV 300	81.0	92.7	93.9	94.8	96.9	96.9	97.3	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 200	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 100	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.4
IV 0	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.8	57.8	57.9	58.0	58.1	58.1	58.3	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.8
≥ 20000	58.8	62.8	62.9	63.0	63.1	63.1	63.3	63.3	63.3	63.4	63.8	63.8	63.8	63.8	63.8	64.0
≥ 18000	59.3	63.3	63.4	63.5	63.6	63.6	63.9	63.9	63.9	64.0	64.3	64.3	64.3	64.3	64.3	64.5
≥ 16000	59.4	63.4	63.5	63.6	63.8	63.8	64.0	64.0	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.6
≥ 14000	60.0	64.2	64.3	64.4	64.5	64.5	64.7	64.7	64.7	64.8	65.2	65.2	65.2	65.2	65.2	65.4
≥ 12000	60.5	64.8	65.0	65.2	65.3	65.3	65.5	65.5	65.5	65.6	65.9	65.9	66.0	66.0	66.0	66.2
≥ 10000	61.5	65.8	66.0	66.1	66.2	66.2	66.5	66.5	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.2
≥ 9000	61.6	65.9	66.1	66.2	66.3	66.3	66.6	66.6	66.6	66.7	67.0	67.0	67.1	67.1	67.1	67.3
≥ 8000	62.2	66.9	67.1	67.2	67.3	67.3	67.5	67.5	67.5	67.6	68.0	68.0	68.1	68.1	68.1	68.3
≥ 7000	62.7	67.4	67.6	67.7	67.9	67.9	68.1	68.1	68.1	68.2	68.5	68.5	68.6	68.6	68.6	68.8
≥ 6000	63.1	68.1	68.3	68.4	68.5	68.5	68.7	68.7	68.7	68.8	69.1	69.1	69.3	69.3	69.3	69.5
≥ 5000	64.7	69.9	70.1	70.2	70.3	70.3	70.6	70.6	70.6	70.7	71.0	71.0	71.1	71.1	71.1	71.3
≥ 4500	66.2	71.7	72.0	72.1	72.2	72.2	72.4	72.4	72.4	72.5	72.8	72.8	72.9	72.9	72.9	73.1
≥ 4000	67.2	73.0	73.2	73.4	73.5	73.5	73.7	73.7	73.7	73.8	74.1	74.1	74.2	74.2	74.2	74.4
≥ 3500	68.2	74.1	74.3	74.4	74.5	74.5	74.8	74.8	74.8	74.9	75.2	75.2	75.3	75.3	75.3	75.5
≥ 3000	69.8	76.9	77.1	77.2	77.3	77.3	77.6	77.6	77.6	77.7	78.0	78.0	78.1	78.1	78.1	78.3
≥ 2500	71.3	79.9	80.4	80.5	80.6	80.6	80.8	80.8	80.8	80.9	81.2	81.2	81.3	81.3	81.3	81.6
≥ 2000	72.2	81.4	82.0	82.2	82.5	82.5	82.7	82.7	82.7	82.8	83.2	83.2	83.3	83.3	83.3	83.5
≥ 1800	72.8	82.1	82.6	82.8	83.2	83.2	83.4	83.4	83.4	83.5	83.8	83.8	83.9	83.9	83.9	84.1
≥ 1500	73.0	82.8	83.4	83.6	84.1	84.1	84.4	84.4	84.4	84.5	84.8	84.8	84.9	84.9	84.9	85.1
≥ 1200	73.7	84.7	85.4	85.7	86.3	86.3	86.5	86.5	86.5	86.6	86.9	86.9	87.1	87.1	87.1	87.3
≥ 1000	74.8	87.7	88.6	88.8	89.4	89.4	89.6	89.6	89.6	89.8	90.1	90.1	90.2	90.2	90.2	90.4
≥ 900	75.1	88.7	89.6	89.9	90.5	90.5	90.7	90.7	90.7	90.8	91.2	91.2	91.3	91.3	91.3	91.5
≥ 800	75.4	90.0	90.9	91.2	92.0	92.0	92.2	92.2	92.2	92.3	92.7	92.7	92.8	92.8	92.8	93.0
≥ 700	75.5	90.7	91.7	92.0	93.2	93.2	93.4	93.4	93.4	93.5	93.9	93.9	94.0	94.0	94.0	94.2
≥ 600	75.5	90.8	91.8	92.2	93.6	93.6	94.1	94.1	94.1	94.2	94.5	94.5	94.6	94.6	94.6	94.8
≥ 500	75.6	91.2	92.3	92.8	94.3	94.3	94.8	94.9	94.9	95.5	95.8	95.8	96.0	96.0	96.0	96.2
≥ 400	75.6	91.2	92.4	92.9	94.6	94.6	95.1	95.3	95.3	95.8	96.3	96.3	96.5	96.5	96.5	96.8
≥ 300	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.6	95.6	96.2	96.8	96.8	97.0	97.0	97.0	97.3
≥ 200	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.6	97.7	98.2	98.2	98.5	98.9
≥ 100	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.7	97.8	98.4	98.6	99.1	99.7
≥ 0	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.7	97.8	98.4	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 927

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	47.5	50.5	50.6	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3
≥ 20000	52.5	55.7	55.9	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.6
≥ 18000	52.7	56.0	56.1	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.8	56.8	56.9
≥ 16000	53.0	56.3	56.5	56.6	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2
≥ 14000	54.1	57.4	57.6	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
≥ 12000	54.9	58.3	58.5	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.3
≥ 10000	55.5	58.9	59.1	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.8	59.8	59.9
≥ 9000	55.7	59.2	59.4	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.2
≥ 8000	56.8	60.5	60.7	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.5
≥ 7000	58.1	62.0	62.3	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.0	63.1
≥ 6000	58.8	62.8	63.1	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.8
≥ 5000	60.0	64.2	64.4	64.6	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.2
≥ 4500	61.2	65.6	65.9	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.6	66.6	66.7
≥ 4000	62.4	67.0	67.3	67.5	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1
≥ 3500	63.2	68.1	68.4	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1	69.1	69.2
≥ 3000	65.2	70.6	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.7	71.8
≥ 2500	67.0	73.8	74.2	74.5	74.8	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.2	75.3
≥ 2000	68.2	75.8	76.3	76.6	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4	77.5
≥ 1800	68.7	76.6	77.1	77.5	77.9	77.9	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.4
≥ 1500	70.0	78.9	79.6	80.1	80.6	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.2	81.3
≥ 1200	70.7	80.9	81.8	82.4	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.6	83.7
≥ 1000	71.5	82.8	83.9	84.6	85.4	85.5	85.7	85.8	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.1
≥ 900	71.7	83.6	84.8	85.6	86.4	86.5	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.1	87.1	87.2
≥ 800	71.9	84.6	85.9	86.8	87.7	87.9	88.1	88.3	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.7
≥ 700	72.0	85.5	87.0	88.0	89.2	89.3	89.7	89.9	89.9	89.9	90.0	90.1	90.1	90.3	90.3	90.4
≥ 600	72.1	86.0	87.6	88.9	90.2	90.4	90.9	91.1	91.2	91.2	91.3	91.4	91.5	91.6	91.6	91.7
≥ 500	72.1	86.3	88.0	89.4	91.1	91.3	92.0	92.4	92.5	92.7	93.0	93.0	93.2	93.3	93.4	93.5
≥ 400	72.1	86.4	88.2	89.8	91.8	92.0	92.8	93.3	93.5	93.9	94.2	94.3	94.5	94.6	94.7	94.8
≥ 300	72.1	86.4	88.2	89.9	92.1	92.5	93.4	94.1	94.4	94.4	95.0	95.6	95.6	95.9	96.0	96.2
≥ 200	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.3	94.7	95.6	96.4	96.4	96.9	97.0	97.4	98.1
≥ 100	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.4	94.7	95.6	96.6	96.6	97.2	97.4	98.0	99.4
≥ 0	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.4	94.7	95.6	96.6	96.6	97.3	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	46.4	51.8	52.1	52.4	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000	51.3	57.5	57.9	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8
≥ 18000	51.6	57.9	58.3	58.6	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥ 16000	51.9	58.2	58.6	58.9	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
≥ 14000	52.6	59.2	59.6	59.9	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4
≥ 12000	53.5	60.3	60.7	61.0	61.2	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 10000	54.6	61.8	62.3	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2
≥ 9000	54.8	62.1	62.6	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5
≥ 8000	55.6	63.1	63.6	63.9	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 7000	56.2	63.9	64.4	64.8	65.0	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4
≥ 6000	56.6	64.5	65.0	65.3	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9
≥ 5000	57.4	65.6	66.1	66.5	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1
≥ 4500	58.0	66.4	66.9	67.3	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	68.0
≥ 4000	58.7	67.4	68.0	68.4	68.6	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1
≥ 3500	59.7	68.8	69.4	69.8	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5
≥ 3000	61.0	70.6	71.2	71.7	72.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4
≥ 2500	62.4	73.4	74.1	74.6	75.0	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5
≥ 2000	63.8	75.9	76.7	77.4	77.8	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3
≥ 1800	64.2	76.7	77.6	78.3	78.7	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.2	79.2	79.2
≥ 1500	65.5	79.6	80.6	81.4	81.9	82.0	82.2	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.6
≥ 1200	66.5	82.3	83.5	84.5	85.1	85.2	85.4	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8
≥ 1000	67.3	84.4	85.8	86.9	87.6	87.8	88.0	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5
≥ 900	67.5	85.5	87.0	88.2	89.0	89.1	89.4	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.9	89.9
≥ 800	67.8	86.5	88.3	89.7	90.6	90.7	91.1	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.6
≥ 700	67.9	87.3	89.2	90.7	91.8	92.0	92.4	92.6	92.6	92.8	92.9	92.9	92.9	92.9	93.0	93.0
≥ 600	68.0	87.9	90.0	91.7	92.9	93.1	93.7	93.9	94.0	94.1	94.2	94.2	94.3	94.3	94.4	94.4
≥ 500	68.1	88.3	90.5	92.4	93.8	94.1	94.8	95.1	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.8
≥ 400	68.1	88.4	90.8	92.8	94.5	94.8	95.6	96.1	96.2	96.5	96.7	96.7	96.8	96.8	96.9	97.0
≥ 300	68.1	88.5	90.8	93.0	94.7	95.1	96.0	96.6	96.8	97.4	97.7	97.7	97.9	97.9	98.0	98.2
≥ 200	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.7	98.2	98.3	98.6	98.7	98.9	99.2
≥ 100	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.8	98.3	98.4	98.7	98.9	99.2	99.7
≥ 0	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.8	98.3	98.4	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

87632

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR
THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

2

2

JAN

MONTH

三

1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

12

FEB

MONTH

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	27.8			12.8						12.9	46.4	6.2	928
	03-05	24.9			9.8						10.2	55.1	6.7	919
	06-08	14.8			16.5						14.7	54.0	7.2	920
	09-11	12.5			20.6						20.1	46.8	7.1	926
	12-14	11.1			28.2						23.8	36.9	6.7	927
	15-17	12.3			29.0						25.9	32.8	6.5	927
	18-20	19.6			26.6						21.2	32.6	6.0	925
	21-23	30.9			21.3						13.7	34.2	5.3	930
TOTALS		19.2			20.6						17.8	42.4	6.5	7402

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	24.4			11.4						14.5	49.7	6.6	896
	03-05	19.2			8.9						14.8	57.1	7.3	890
	06-08	9.0			14.8						19.7	56.6	7.9	893
	09-11	11.9			16.4						26.2	45.4	7.4	900
	12-14	12.1			24.9						26.1	36.9	6.8	900
	15-17	12.0			27.6						27.6	42.9	6.6	900
	18-20	17.5			24.9						22.6	35.0	6.3	899
	21-23	26.5			18.7						13.1	41.8	5.9	895
TOTALS		16.6			18.5						20.6	44.4	6.9	7173

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	23.3			14.4						20.8	41.5	6.5	930
	03-05	17.4			12.0						19.2	51.5	7.2	927
	06-08	9.8			14.9						24.7	50.5	7.7	924
	09-11	7.3			23.2						32.7	36.9	7.3	928
	12-14	8.9			28.9						36.7	25.5	6.7	930
	15-17	9.0			38.8						32.4	19.8	6.1	930
	18-20	11.9			33.0						31.8	23.3	6.2	927
	21-23	22.5			24.8						21.5	31.2	5.8	925
TOTALS		13.8			23.8						27.5	35.0	6.7	7421

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	32.9			17.3						29.0	20.8	5.2	900
	03-05	17.7			16.9						37.7	27.7	6.7	899
	06-08	7.6			19.9						44.8	27.7	7.4	898
	09-11	8.1			38.0						37.8	16.0	6.1	899
	12-14	9.0			50.4						30.3	10.2	5.3	900
	15-17	10.3			60.2						20.2	9.2	4.5	900
	18-20	20.8			48.9						20.3	10.0	4.3	900
	21-23	43.3			28.8						13.2	14.7	3.5	900
TOTALS		18.7			35.1						29.2	17.0	5.4	7196

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

11

JUL

MONTH

1

1

1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	42.7			28.3						18.2	10.8	3.6	928
	03-05	24.1			26.2						32.7	17.0	5.4	929
	06-08	8.1			29.4						41.7	20.8	6.7	925
	09-11	6.9			46.0						37.1	10.0	5.7	930
	12-14	3.0			54.8						32.1	10.1	5.5	929
	15-17	3.1			56.9						30.9	9.1	5.4	930
	18-20	9.5			52.7						28.3	9.6	5.1	930
	21-23	39.9			38.6						13.7	7.8	3.2	930
TOTALS		17.2			41.6						29.3	11.9	5.1	7431

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

702536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	33.4			23.3						21.8	21.5	4.8	896
	03-05	23.7			18.6						27.0	30.8	6.1	894
	06-08	13.7			22.1						35.3	28.9	6.7	896
	09-11	13.5			33.0						33.3	20.3	6.0	898
	12-14	10.9			44.0						32.0	13.1	5.5	900
	15-17	10.2			45.3						31.0	13.4	5.5	900
	18-20	19.9			38.6						26.1	15.4	5.0	899
	21-23	38.0			28.2						17.3	16.4	4.1	900
TOTALS		20.4			31.6						26.0	20.0	5.5	7183

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	40.3			17.4						17.6	24.6	4.6	930
	03-05	34.3			15.4						20.0	30.3	5.3	927
	06-08	18.4			27.1						22.4	32.1	6.0	925
	09-11	18.0			30.1						26.9	25.1	5.8	930
	12-14	16.9			40.5						26.5	16.1	5.2	929
	15-17	17.8			42.5						24.7	14.9	5.0	930
	18-20	31.3			34.7						18.3	15.7	4.3	930
	21-23	46.1			20.6						13.4	19.8	3.8	930
TOTALS		27.9			28.5						21.2	22.3	5.0	7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	40.3			13.8						13.9	32.0	4.9	899
	03-05	39.2			10.9						12.1	37.8	5.2	895
	06-08	25.3			10.7						15.3	39.7	5.9	897
	09-11	21.4			23.9						21.6	33.1	6.0	900
	12-14	22.9			30.6						22.2	24.3	5.4	900
	15-17	24.1			33.1						21.3	21.4	5.1	900
	18-20	35.4			25.6						16.9	22.1	4.5	900
	21-23	45.4			17.6						11.3	25.7	4.1	900
TOTALS		31.8			21.9						16.8	29.5	5.1	7191

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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6.

DEC

MON: M

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

702536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	22.3			18.5						13.9	45.4	6.4	7423
FEB		25.2			19.2						15.7	39.9	6.0	6742
MAR		19.2			20.6						17.8	42.4	6.5	7402
APR		16.6			18.5						20.6	44.4	6.9	7173
MAY		13.9			23.8						27.5	35.0	6.7	7421
JUN		18.7			35.1						29.2	17.0	5.4	7196
JUL		16.1			42.4						29.6	12.0	5.1	7421
AUG		17.2			41.6						29.3	11.9	5.1	7431
SEP		20.4			31.6						28.0	20.0	5.5	7183
OCT		27.9			28.5						21.2	22.3	5.0	7431
NOV		31.6			21.9						16.8	29.5	5.1	7191
DEC		28.0			19.2						17.5	35.3	5.7	7404
TOTALS		21.4			26.7						22.3	29.6	5.8	87418

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

(Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AT WEATHER SERVICE/MAC

122536 RANDOLPH AFB TX

STATION

STATION NAME

38-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105						.1	.3	.4					.1
100					.2	2.5	9.1	12.1	.4				2.0
95			.2	.4	3.5	23.4	53.1	53.4	16.2	.6			12.6
90	.1	.3	2.2	6.1	21.9	68.4	86.2	84.9	51.0	10.4		.1	27.6
85	.5	1.5	8.6	24.3	56.9	90.8	96.1	95.8	79.1	37.0	4.0	.2	41.2
80	3.6	7.9	25.3	54.9	83.0	97.2	99.0	99.2	91.3	64.5	19.5	4.1	54.1
75	12.5	21.5	45.9	76.9	94.4	99.5	99.8	99.7	97.6	82.0	38.3	15.6	65.3
70	26.1	39.7	64.4	90.2	98.9	100.0	100.0	100.0	99.3	92.2	58.4	33.1	75.2
65	42.6	55.6	80.7	96.0	99.8				99.8	97.1	71.6	52.1	82.9
60	56.4	71.0	89.6	98.7	99.9				100.0	99.0	84.0	68.3	88.9
55	69.4	83.6	94.5	99.8	100.0					99.8	91.8	81.3	93.1
50	80.6	90.1	97.2	100.0						100.0	96.4	89.4	96.1
45	89.5	96.3	99.2								99.1	96.1	98.3
40	94.9	98.7	99.8								99.8	98.9	99.3
35	98.0	99.7	99.9								100.0	99.7	99.8
30	99.5	100.0	100.0									100.0	100.0
25	99.8												100.0
20	100.0												100.0
15													
10													
5													
0													
MEAN	60.6	65.1	72.4	79.3	84.9	91.0	94.1	94.2	88.6	81.1	70.1	63.9	78.8
S.D.	12.073	11.084	9.947	7.370	5.947	4.965	4.578	4.906	6.083	7.392	10.040	10.201	14.263
TOTAL OBS.	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
722536 RANDOLPH AFB TX
STATION

STATION NAME

38-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85						.1							.0
80					.2	.2	.4	.3	.1				.1
75				.1	3.7	28.3	38.0	38.1	14.0	1.8			10.3
70			.5	8.5	28.8	71.7	92.6	88.0	56.7	14.4	1.8	.2	30.2
65	1.9	2.1	8.1	30.6	60.8	92.4	99.6	98.3	79.6	31.3	7.5	1.9	42.8
60	5.2	8.9	19.6	51.9	85.0	97.9	100.0	99.8	91.7	52.9	18.3	6.2	53.1
55	11.3	15.0	36.4	71.0	93.8	99.8		100.0	97.7	71.5	30.7	13.2	61.7
50	20.0	30.3	54.8	84.8	98.3	100.0			99.4	86.0	48.6	24.8	70.6
45	33.3	45.6	70.7	93.8	99.9				99.9	95.6	67.4	42.8	79.1
40	52.8	66.9	84.9	97.8	100.0				100.0	98.9	83.0	63.8	87.3
35	72.2	82.1	94.2	99.8						99.9	92.6	83.0	93.6
30	78.8	88.4	95.9	100.0						100.0	95.8	88.9	95.6
25	86.6	93.7	98.6								98.1	94.3	97.6
20	94.2	98.7	99.5								99.5	98.6	99.2
15	97.7	99.7	100.0								99.9	99.9	99.8
10	99.2	99.9									100.0	100.0	99.9
5	99.8	100.0											100.0
0	100.0												100.0
MEAN	40.7	44.1	50.3	58.9	65.5	71.5	73.4	73.1	68.8	59.6	49.3	43.4	58.2
S.D.	11.634	9.865	9.845	8.424	6.161	4.481	2.602	3.197	5.905	8.577	10.075	9.438	14.184
TOTAL OBS.	1333	1334	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

ALL WEATHER SERVICE/MAC
722536 RANDOLPH AFB TX

STATION

STATION NAME

38-61

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90						.4	1.5	1.9	.1				.3
95				.1	1.4	23.4	47.2	47.8	12.4	.7			11.1
98			.5	4.4	22.7	72.2	90.9	87.9	52.3	9.4			28.3
75	.1	.2	6.6	26.1	59.7	92.3	98.7	98.8	80.4	31.8	4.7	.5	41.6
70	3.5	6.5	20.7	53.5	86.9	99.2	100.0	99.9	94.0	58.8	16.9	4.0	53.7
65	9.9	18.3	40.5	76.3	96.2	100.0		100.0	98.7	78.9	33.1	11.9	63.6
60	20.4	31.8	61.2	91.2	99.7				99.8	92.1	52.6	27.0	73.0
55	37.7	51.1	77.6	97.1	100.0				100.0	98.0	71.9	46.6	81.6
50	55.1	70.5	89.7	99.3						99.6	85.7	67.9	89.0
45	72.2	84.3	95.9	100.0						100.0	94.1	85.2	94.3
40	86.3	94.4	99.0								98.8	94.8	97.8
35	93.2	98.6	99.7								99.8	98.9	99.2
30	97.5	99.7	99.9								100.0	99.9	99.7
25	99.2	99.9	100.0									100.0	99.9
20	99.8	100.0											100.0
15	100.0												100.0
10													
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
-85													
-90													
-95													
-100													
MEAN	50.8	54.8	61.5	69.3	75.3	81.4	83.9	83.8	78.9	70.5	59.9	53.8	68.7
S. D.	10.434	9.458	9.037	6.909	5.254	4.192	3.154	3.539	5.275	7.183	9.172	8.844	13.770
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1330	1290	1333	15499

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					90	95	97	98	95	96	85	82	
39	75	83	93	98	99	98	106	98		93	83	83	
40	76	94	89	93	92	94	95	100	98	92	80	76	100
41	77	74	87	91	91	95	98	102	99	92	83	80	102
42	82	79	91	89	94	104	97	99	95	91	85	86	104
43	87	84	88	92	96	101	102	103	98	90	86	82	103
44	76	84	86	93	95	98	106	103	99	94	83	73	106
45	76	83	88	92	100	100	102	105	99	90	88	80	105
46	75*	74							96*	86	84	79	
47	82	81	87	88	96	98	101	102	98	93	88	79	102
48	79	82	88	95	96	100	100	104	97	92	88	81	104
49	83	82	91	88	96	98	96	100	96	91	89	82	100
50	84	81	97	89	93	96	98	100	100	92	88	81	100
51	81	81	87	98	95	98	103	104	102	93	89	84	104
52	80	87	91	90	94	95	97	101	100	90	85	78	101
53	83	82	88	94	93	102	101	104	101	93	80	79	104
54	81	90	94	89	93	98	107	101	99	95	80	84	107
55	80	82	93	94	101	98	100	101	95	92	87	90	101
56	81	88	89	89	94	100	101	100	99	94	83	81	101
57	80	88	87	84	89	95	102	100	98	89	82	79	102
58	75	76	81	92	94	97	100	100	95	89	81	78	100
59	79	89	87	87	94	97	96	98	98	94	84	75	98
60	74	88	87	88	94	101	101	97	94	91	83	76	101
61	74	78	85	93	95	94	92	96	97	90	85	78	97
62	76	88	83	90	92	94	103	106	96	96	89	75	106
63	84	83	87	95	96	99	98	100	99	91	85	72	100
64	77	72	79	87	95	96	101	101	96	89	83	83	101
65	78	75	85	91	87	94	99	98	98	88	82	77	99
66	75	73	85	90	92	93	100	98	96	94	85	84	100
67	82	78	93	94	99	101	102	105	92	86	89	79	105
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 PANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
36					52	67	70	66	54	41	23	26	
39	30	28	34	35	58	65	69	63		40	36	28	
40	14	29	33	33	55	58	64	60	49	44	28	31	14
41	27	32	34	47	56	64	69	67	63	47	33	34	27
42	21	28	35	44	48	63	67	66	43	48	34	30	21
43	17	32	22	52	57	68	69	71	56	42	34	22	17
44	22	29	32	43	47	66	69	64	61	42	30	29	22
45	34	34	42	36	48	65	70	70	55	39	35	26	26
46	30*	40							65*	45	42	26	
47	19	29	32	41	58	69	69	68	55	58	39	33	19
48	20	25	22	46	58	64	70	68	54	46	33	33	20
49	8	31	39	40	60	62	70	68	58	44	40	30	8
50	30	33	33	47	62	65	70	68	64	55	29	20	20
51	16	12	31	39	56	65	73	70	60	54	28	23	12
52	35	35	31	42	54	63	70	70	61	43	35	29	29
53	28	33	39	42	49	53	70	68	60	50	35	25	25
54	29	34	35	47	48	64	71	72	60	43	38	32	29
55	31	27	30	52	61	57	71	73	67	44	29	28	27
56	29	26	34	44	61	69	70	67	61	52	34	33	26
57	26	41	33	40	52	62	73	71	58	37	32	26	26
58	31	25	35	48	58	68	69	67	60	48	32	27	25
59	20	33	35	39	63	67	69	68	57	45	24	31	20
60	24	22	31	45	49	64	70	68	55	44	31	28	22
61	26	30	37	33	46	59	67	58	52	43	36	23	23
62	8	30	26	35	50	64	68	66	57	44	35	26	8
63	14	23	30	45	54	64	66	70	53	50	33	22	14
64	12	26	31	41	52	54	68	69	60	36	32	25	12
65	23	25	24	44	48	63	68	64	55	40	34	33	23
66	16	23	28	45	56	59	68	63	58	37	28	23	16
67	23	25	31	52	47	63	61	63	47	42	34	28	23
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OL A)
JUL 64 # (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L - S - T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
69 / 69		.6																6	6	3				
68 / 67		1.0																9	9	6	6			
66 / 65	.1	.9																9	9	7	7			
64 / 63	.1	1.3	.2	.1				.1										17	17	14	12			
62 / 61	.1	1.2	.5	.1				.3										21	21	11	7			
60 / 59	.2	2.4	.3		.1			.1										29	29	24	18			
58 / 57	.1	2.8	.5	.1	.1	.1	.1	.2										38	38	25	25			
56 / 55		2.2	.9	.4	.3	.1	.2	.1										39	39	25	21			
47 / 53		1.5	.8	.6	.3		.2	.1										33	33	29	26			
42 / 51		1.5	2.3	.9	.8													50	50	28	28			
50 / 49	.1	1.2	1.3	.2	.3	.2	.4											35	35	28	17			
47 / 47	.8	2.4	1.1	1.1	1.0	.1												59	59	58	31			
46 / 45	.5	3.0	1.8	1.4	1.1													73	73	52	39			
44 / 43	.4	2.7	1.6	.6	.5	.2												57	57	49	43			
42 / 41	.3	3.5	1.5	1.5	.6	.3												73	73	67	49			
40 / 39	.9	2.5	4.2	.5	.6													81	81	79	50			
38 / 37	.4	3.3	1.9	1.0	.4													66	66	71	48			
36 / 35	.3	2.7	2.6	1.0	.2													63	63	84	53			
34 / 33	.3	2.5	1.3	.2	.3													43	43	65	64			
32 / 31	.6	1.6	2.2	1.1														51	51	60	78			
30 / 29		1.0	1.6	.5														29	29	37	56			
28 / 27		1.2	1.2	.1														23	23	42	43			
26 / 25		.3	.9	.3														14	14	34	40			
24 / 23		.2	.6															8	8	8	30			
22 / 21		.1	.3															4	4	13	36			
20 / 19																				9	31			
18 / 17																				2	18			
16 / 15																					13			
14 / 13																					9			
12 / 11																					13			
10 / 9																					11			
8 / 7																					5			
6 / -1																								

AD-A113 704 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82
UNCLASSIFIED USAFETAC/DS-82/012 SBI-AD-P850 152 NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 62
USAFETAC/DS-82/012
SBI-AD-P850 152
NI

RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)

FEB 82

USAFETAC/DS-82/012

501-AD-F850 152

NL

4

4. 1870

PSYCHROMETRIC SUMMARY

YEARS

MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 ~~0300-0500~~
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

JAN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70 / 69		.3																3	3		
68 / 67	.3	.8																10	10	6	6
66 / 65		1.4	.1															14	14	10	5
64 / 63	.3	.8	.3															13	13	16	17
62 / 61	.2	1.0	.3															14	14	11	11
60 / 59	.1	1.6	.4	.2														22	22	13	9
58 / 57	1.1	1.4		.1		.1												25	25	31	29
56 / 55		1.2	.6			.1	.1	.1										20	20	13	12
54 / 53	.2	.8	1.3	.5	.3	.3	.1	.2										35	35	14	15
52 / 51	.2	2.3	.6	.2	.6	.1												38	38	22	15
50 / 49	.3	1.8	1.4	.6		.2	.2											43	43	39	27
48 / 47	.3	1.8	1.9	1.0	.4	.1												52	52	36	32
46 / 45	.5	3.5	1.6	1.1	.1	.1												65	65	40	34
44 / 43	.5	1.8	1.9	1.9	.1													59	59	71	36
42 / 41	.4	2.2	1.4	2.2	.8	.3												67	67	50	34
40 / 39	1.0	4.5	2.5	.5	.2													81	81	70	39
38 / 37	.6	4.7	1.1	1.0	.8													76	76	89	70
36 / 35	.3	3.7	2.3	.4	.1													63	63	78	58
34 / 33	.1	2.7	1.6	.6														47	47	57	62
32 / 31	.5	2.6	3.0	.8														64	64	68	77
30 / 29	.6	1.8	1.6	.4														42	42	53	56
28 / 27		1.7	1.4	.3														32	32	48	57
26 / 25		1.1	.3															13	13	34	39
24 / 23		.3	.4															7	7	24	19
22 / 21		.9																8	8	14	49
20 / 19		.6	.4															10	10	7	27
18 / 17		.2	.2															4	4	8	24
16 / 15		.2																2	2	4	23
14 / 13		.1																1	1	3	18
12 / 11																				1	11
10 / 9																					3
8 / 7																					7
6 / 5																					6
4 / -1																					1
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
-2 / -3																																		1
-4 / -5																																		1
TOTAL	7.84	7.72	6.91	1.9	3.4	1.4	.4	.3																									930	
																																		930
																																		930
Element (X)	Z x ²	Z x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature											Total																	
Rel. Num.	5784132	71912	77.3	15.513	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb	1743563	39039	42.0	10.622	930		18.3	1.3				93																						
Wet Bulb	1538236	36462	39.2	10.817	930		26.4	.6				93																						
Dew Point	1298386	32516	35.0	13.186	930	.3	41.9	.6				93																						

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

0900-110
MOMENTS 11 5 11

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81
YEARS

JAN
MONTH

PAGE 1 1200-1400
HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
98/ 87																.1		1	1																
96/ 85															.1			1.	1.																
92/ 81														.1				1	1																
88/ 79								.1				.3						4	4																
78/ 77				.1	.1		.5			.1								8	8																
76/ 75			.1	.4	.3	.2	.2	.1		.1	.2	.1						17	17																
74/ 73				.4	.4	.9	.2		.4	.2	.1	.1						26	26																
72/ 71		.1		.2	.8	.3	.2	.3	.3	.3	.4	.1						29	29	3															
70/ 69			.9	.5	1.1	.6	.1	.6	.3	.4	.2							45	45	5	2														
68/ 67		.1	.3	.3	1.0	.6	.6	.2	.4	.2	.3	.1						40	40	11	3														
66/ 65		.3	.3	.8	.2	.4	.3	.8	.4	.4								37	37	23	12														
64/ 63		.2	.9	.5	.6	.2	.5	.4	.3	.3								38	38	29	7														
62/ 61		.4	.9	.5	.3	.9	1.4	.4	1.1	.5								60	60	28	19														
60/ 59	.2	.6	1.1	.6	.4	1.2	.6	1.4	.8	.1								66	66	46	30														
58/ 57		.9	.4	.6	1.1	.8	.8	1.0	.4									55	55	38	31														
56/ 55		.2	.2	.3	.6	1.3	1.0	.5										39	39	47	39														
54/ 53		.4	.2	.6	.8	1.1	.8	.6										42	42	40	21														
52/ 51	.1	1.2	.5	.6	.5	.5	.2	.2										37	37	47	22														
50/ 49		1.5	1.6	.5	.5	.9	.3	.3										53	53	61	28														
48/ 47	.1	1.1	.6	1.1	.9	.6	.8	.1										49	49	73	32														
46/ 45		.5	.5	.8	1.4	1.1	.8	.4										44	44	76	35														
44/ 43		1.3	.9	1.0	.5	.9	.1											43	43	59	42														
42/ 41		1.6	1.2	.5	.9	1.2	.2											52	52	57	39														
40/ 39	.4	2.5	.8	.6	.9	.9	.1											57	57	54	62														
38/ 37	.2	.8	.5	1.1	.8	.5												36	36	66	59														
36/ 35		.3	.5	1.2	.3	.2												24	24	43	66														
34/ 33	.3		.3	.4														10	10	33	39														
32/ 31		.1	.3		.1													5	5	36	45														
30/ 29		.4	.4															8	8	31	33														
28/ 27		.3																3	3	16	49														
26/ 25																				7	44														
24/ 23																				1	25														
22/ 21																					36														
20/ 19																					29														
Element (X)	ΣX²			ΣX			X̄			σ²			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total	
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

JAN
MONTH

PAGE 7

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
8 / 87														.1	.1			2	2													
6 / 85														.1				1	1													
2 / 81								.1	.1									1	1													
2 / 79							.1	.2			.1	.5	.1					10	10													
7 / 77					.4	.1	1.2	.1	.2	.2		.2						23	23													
7 / 75				.4	.3	.4	1.2	.8	.1	.1	.3	.1	.1					36	36													
7 / 73					.1	.5	.3	.4	.1	.3	.8	.1						25	25													
7 / 71			.3	.2	1.0	.6	.9	.1	.5	.4	.1	.2						41	41	1												
7 / 69			.2	.2	.6	.4	.9	.4	1.1	.2	.2	.5						45	45	10												
6 / 67		.5		.2	.5	.4	.4	.2	.2	.4	.5							33	33	12	6											
6 / 65		.1	.2	1.2	.4	.8	.5	1.4	.9	.5	.2							58	58	26	10											
4 / 63	.1	.4	.8	.4	.8	.2	.8	1.1	.8	.6								55	55	34	10											
2 / 61	.1	.5		.8	.8	.4	.9	1.4	.6	.6								57	57	32	10											
0 / 59		.3	.6	.2	.4	.3	1.1	.5	.8									40	40	63	29											
5 / 57		.1	.1	.2	.9	1.0	1.2	1.4	.9									53	53	21	37											
5 / 55		.2	.1	.1	.6	.9	1.2	.4	.4									37	37	51	27											
4 / 53		.8	.1	1.2	.3	.6	.3	.6	.3									40	40	44	25											
2 / 51		.9	.2	1.0	.4	.6	.2	.5										36	36	51	36											
5 / 49	.2	1.5	1.6	.6	.1	.8	.9	.2										55	55	65	29											
4 / 47		.3	.5	.6	.5	.6	.4	.5										34	34	79	28											
4 / 45		.9	1.2	1.2	1.2	1.1	.2											53	53	67	32											
4 / 43		1.7	.5	.8	.8	1.2	.3											49	49	63	40											
4 / 41		.9	1.2	.5	.8	1.3	.1											44	44	54	41											
4 / 39	.1	1.6	.8	.6	1.2	.3												43	43	46	59											
3 / 37		1.1	.2	.3		.4												19	19	67	60											
3 / 35	.3	.2	.6	.1	.1													13	13	42	56											
3 / 33			1.1	.2														12	12	39	55											
2 / 31		.1	.6															7	7	32	49											
3 / 29		.3	.4															7	7	11	36											
2 / 27		.1																1	1	16	35											
2 / 25																				4	48											
2 / 23				</																												

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 17																						23										
1 / 15																						19										
1 / 13																						8										
1 / 11																						10										
1 / 9																						7										
1 / 7																						4										
1 / 5																						2										
TOTAL	.9	12.0	11.5	11.2	12.3	13.1	13.0	10.5	6.9	3.5	2.3	1.7	.2	.2	.1			930			930											
																		930			930											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

JAN
MONTH

PAGE 1 1800-2000
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
76/ 75						.1	.1				.2							4	4																					
74/ 73			.1	.1	.1	.1	.1			.1								6	6																					
72/ 71			.4	.1	.2	.2			.1	.1								11	11																					
70/ 69		.2	.1	.3	.6	.1	.2	.1	.2	.1								19	19	3																				
68/ 67		.6	.5	.5	.3	.2	.3	.4	.3									31	31	7	5																			
66/ 65		.4	.8	.3	.9	.2		.1	.1	.3								29	29	13	8																			
64/ 63		.4	1.4	1.2	.2	.4	.4	.5		.1								44	44	15	11																			
62/ 61		.9	.9	.9	.6	.6	.6	.1	.3	.1								47	47	24	8																			
60/ 59	.2	1.1	.9	1.4	.4	.8	.5	.4	.3									56	56	37	17																			
58/ 57		1.2	.5	.8	.6	1.1	.9	.5	.2									54	54	38	28																			
56/ 55		.4	.8	2.2	.4	.5	.9	.3	.2									53	53	37	38																			
54/ 53		.4	1.1	1.1	.8	1.2	.5	.4										51	51	42	28																			
52/ 51	.4	.3	.8	.4	.6	1.7	.9	.2										50	50	50	25																			
50/ 49	.2	1.6	1.7	1.3	1.2	.6	.4	.1										67	67	59	26																			
48/ 47		1.3	1.1	1.0	1.3	1.2	.4											58	58	52	51																			
46/ 45		1.5	.9	1.2	.9	.9	.4	.1										54	54	64	33																			
44/ 43		1.4	1.7	1.2	.6	.4	.2											52	52	75	50																			
42/ 41		2.2	.6	1.2	1.2	.6												54	54	75	38																			
40/ 39	.6	2.3	1.3	1.2	.8	.3												60	60	68	57																			
38/ 37		1.6	.9	1.0	.6	.2												40	40	69	56																			
36/ 35	.3	.8	1.0	1.1	.4													33	33	55	58																			
34/ 33		.3	1.0	.5	.5													22	22	39	50																			
32/ 31	.1	.5	.5	.6	.1													18	18	36	62																			
30/ 29	.1	.3	.3	.3														10	10	32	39																			
28/ 27		.5	.2															7	7	20	35																			
26/ 25																				17	44																			
24/ 23																				3	24																			
22/ 21																					34																			
20/ 19																					44																			
18/ 17																					18																			
16/ 15																					16																			
14/ 13																					6																			
12/ 11																					6																			
10/ 9																					8																			
Element (X)	Σ x'					Σ x					Σ					Σ _a					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS.

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
77 / 69		.4	.1															5	5	1				
68 / 67		1.1		.1														11	11	7				
66 / 65		1.0	.5	.1					.2									17	17	12				
64 / 63		.5	.6	.8		.2	.1			.1								22	22	8				
62 / 61		1.8	1.1	.5		.1	.1	.1	.1									36	36	9				
60 / 59		1.2	.9	.1	.3	.3	.2	.2										30	30	29				
58 / 57		3.2	1.2	.4	.6	.2	.1	.1										55	55	32				
56 / 55	.1	1.3	1.6	.6	.5	.8	.3	.1										50	50	42				
54 / 53		.3	1.3	1.1	.4	.5	.4											38	38	22				
52 / 51	.3	1.2	1.8	.6	.2	.4	.3	.1										47	47	37				
50 / 49	.2	1.1	2.0	.8	1.2	.5	.2											56	56	50				
48 / 47	.4	2.5	1.8	1.1	.9	.3	.1											66	66	53				
46 / 45		2.3	1.1	1.8	.6	.5												59	59	61				
44 / 43	.4	1.8	1.5	1.4	.8	.3												58	58	54				
42 / 41	.1	3.0	2.2	2.3	1.4	.3												86	86	65				
40 / 39	.6	2.4	2.8	1.7	1.0													79	79	79				
38 / 37	.2	2.7	1.9	.4	.5													54	54	80				
36 / 35	.1	1.9	2.0	1.2	.4													53	53	78				
34 / 33	.3	.3	1.5	1.0	.1													30	30	64				
32 / 31	.3	.5	2.0	.9	.2													37	37	38				
30 / 29		.5	1.2	.1	.2													19	19	35				
28 / 27		.4	.5	.2	.1													12	12	35				
26 / 25		.1	.5															6	6	18				
24 / 23		.1	.2															3	3	11				
22 / 21			.1															1	1	8				
20 / 19																				2				
18 / 17																								
16 / 15																								
14 / 13																								
12 / 11																								
10 / 9																								
8 / 7																								
6 / 5																								
4 / 1																								
Element (X)																								

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
87														.0	.0			3	3																
85														.0				2	2																
81								.0	.0				.0					2	2																
79							.0	.0			.0	.1	.0					14	14																
77				.0	.1	.0	.2	.0	.0	.0	.0	.0						32	32																
75			.0	.1	.1	.1	.2	.1	.0	.0	.1	.0	.0					58	58																
73			.0	.1	.1	.2	.1	.1	.1	.1	.1	.0						58	58																
71		.0	.1	.1	.2	.1	.1	.1	.1	.1	.1	.0						89	89	4															
69		.3	.2	.1	.3	.1	.2	.2	.2	.1	.1	.1						137	137	27	3														
67	.1	.8	.2	.2	.3	.2	.2	.1	.2	.1	.1	.0						171	171	62	40														
65	.0	.8	.3	.3	.2	.2	.1	.3	.2	.2	.0							202	202	118	78														
63	.1	.6	.7	.4	.2	.1	.3	.3	.2	.2								233	233	145	90														
61	.1	1.0	.5	.4	.3	.3	.4	.3	.3	.2								273	273	144	90														
59	.2	1.3	.6	.4	.2	.4	.4	.4	.2	.0								304	304	263	144														
57	.2	1.7	.5	.4	.5	.5	.5	.4	.2									356	356	223	225														
55	.1	1.0	.7	.5	.4	.6	.6	.3	.1									315	315	274	213														
53	.0	.8	.8	.9	.5	.7	.3	.3	.0									320	320	236	185														
51	.2	1.4	1.1	.6	.6	.5	.3	.1										358	358	289	182														
49	.2	1.6	1.7	.7	.5	.5	.4	.1										423	423	389	201														
47	.3	1.8	1.2	1.0	.7	.5	.2	.1										426	426	468	285														
45	.2	2.0	1.2	1.2	.9	.5	.1	.0										461	461	489	311														
43	.3	1.9	1.4	1.1	.6	.5	.1											440	440	487	318														
41	.2	2.3	1.5	1.4	.9	.6	.0											507	507	486	346														
39	.7	2.7	2.1	.8	.7	.2	.0											537	537	540	396														
37	.3	2.8	1.1	.9	.5	.2												432	432	608	467														
35	.2	1.8	1.5	.9	.3	.0												355	355	514	494														
33	.1	1.1	1.2	.6	.2	.0												247	247	405	434														
31	.4	1.1	1.4	.8	.1													278	278	364	511														
29	.1	.7	1.0	.2	.1													159	159	297	371														
27		.8	.7	.1	.0													121	121	248	341														
25	.0	.3	.3	.1																															

PSYCHROMETRIC SUMMARY

YEARS

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70.73-81

FEB

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67 / 67	.7	.4	1.2	.5														23	23	6	6			
56 / 65		.8	1.3															18	18	4	2			
64 / 63	.1	2.1	.7	.2							.1							28	28	24	13			
62 / 61	.7	3.2	.8	.1					.1	.1								43	43	38	24			
60 / 59		2.7	1.2						.1	.1								35	35	32	39			
58 / 57		2.6	.2	.2		.4	.1	.1	.2									33	33	34	32			
58 / 55	.1	3.2	.1	.6	.4	.1	.4											41	41	31	30			
54 / 53	.6	1.9	.7	.1	.2	.6	.5	.2										41	41	39	38			
52 / 51	.5	1.3	1.2	.2	.5	.7												37	37	17	30			
50 / 49	.7	2.8	1.7	1.1	1.1	.4		.1										66	66	42	24			
48 / 47	.1	2.0	1.1	1.2	.4	.5	.4											47	47	38	26			
46 / 45	.1	4.4	2.1	1.1	.5	.7												75	75	45	33			
44 / 43		4.0	1.5	1.2	.5													61	61	74	28			
42 / 41		2.6	2.0	1.7	.9	.2												63	63	83	52			
40 / 39	.2	1.7	1.4	.8	.1													36	36	44	45			
38 / 37	.2	3.0	.9	.7	.6	.2												48	48	62	37			
36 / 35	.2	2.7	2.0	.8	.2													51	51	54	50			
34 / 33		2.2	1.5	1.2	.1													43	43	49	52			
32 / 31	.1	1.7	.9	.5														27	27	46	51			
30 / 29		.6	.5															9	9	42	56			
28 / 27		.2	.4	.1														6	6	15	32			
26 / 25		.2	.9	.1														11	11	9	32			
24 / 23		.2	.1															3	3	7	20			
22 / 21																				10	21			
20 / 19																					26			
18 / 17																					15			
16 / 15																					13			
14 / 13																					9			
12 / 11																					3			
10 / 9																					3			
8 / 7																					3			
TOTAL	4.5	46.6	24.6	12.4	5.4	3.8	1.3	.5	.5	.2	.1							845		845		845		
																		845		845				
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.	5179645		64505		76.3		17.3		399		845		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F			
Dry Bulb	1963900		39800		47.1		110.2		286		845				5.6		2.3							
Wet Bulb	1714221		36989		43.8		110.6		13		845				12.8		.6							
Dew Point	1460564		33272		39.4		13.3		352		845				28.2		.6							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70,73-81

YEARS

FEB
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
5- / 67	.7	.4	.7	.6														20	20	6	6					
4- / 65		.9	.5															12	12	4	4					
64 / 63	.5	2.8	1.2	.5				.1										43	43	22	16					
62 / 61	.1	3.6	.6					.1										37	37	37	22					
60 / 59	.5	2.2	.8			.5	.1		.1									36	36	42	44					
58 / 57	.5	1.8	.4	.1	.1				.1									25	25	37	33					
56 / 55	.5	2.8	.6	.4			.6	.6										46	46	21	37					
54 / 53	.5	1.2	.5	.1		.2	.2	.1										24	24	28	30					
52 / 51	.4	1.9	.2	.5	.4	.1												29	29	22	16					
50 / 49	.1	3.4	1.5	.6	.7	.6	.2											61	61	38	26					
48 / 47	.2	2.7	.6	.5	1.5	.2	.6											54	54	30	28					
46 / 45		5.2	1.2	1.9	.2	.2	.1											75	75	47	20					
44 / 43	.1	4.3	.8	.8	.4	.1												55	55	72	34					
42 / 41		3.3	.9	1.7	.4													53	53	66	67					
40 / 39	.5	2.2	2.5	1.1	.7	.1												60	61	63	42					
38 / 37	.2	4.3	1.2	.6	.7	.1												60	60	50	36					
36 / 35	.1	2.6	1.7	1.1	.1													47	47	75	40					
34 / 33		2.0	1.2	1.1														36	36	46	43					
32 / 31		2.0	1.5	.2														32	32	48	66					
30 / 29		.8	1.1															16	16	34	45					
28 / 27		.7	.4															9	9	27	43					
26 / 25		.1	.5															5	5	13	32					
24 / 23		.6	.4	.1														9	9	7	19					
22 / 21			.1															1	1	7	27					
20 / 19																				2	29					
18 / 17																				1	15					
16 / 15																					16					
14 / 13																					7					
12 / 11																					1					
10 / 9																					2					
8 / 5																					1					
4 / 3																					2					
TOTAL	4.9	52.0	20.9	11.7	5.2	2.2	1.9	.9	.2									845	846		845					
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	5310380		65390		77.4		17.2		18		845		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	1915349		39265		46.4		10.4		89		846				7.1		2.0								84	
Wet Bulb	1685522		36618		43.3		10.8		13		845				13.8		.6								84	
Dew Point	1445774		33058		39.1		13.4		41		845				30.3		.6								84	

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
84/ 83														.1					1	1				
82/ 81										.1	.2	.4	.1						7	7				
80/ 79							.2	.4	.5			.2	.4	.1	.1				16	16				
78/ 77						.4	.6	.6		.1	.4	.2		.2					21	21				
76/ 75			.1		.4	1.4	.7	.6	.2	.4	.4	.6	.1						41	41				
74/ 73		.1	.2	.2	1.2	.9	.8	.6	.4	.4	.2	.1	.2						46	46				
72/ 71			.2	.5	1.1	1.7	.8	.2	.2	.2	.5	.2	.4						51	51	3			
70/ 69			.9	.8	.7	.9	.9	.4	.4	.8	.4		.1						54	54	2 3			
68/ 67		.1	.6	.8	.6	1.3	.9	.6	.7	.5	.4	.4							58	58	22 2			
66/ 65		.5	1.2	.2	.9	.8	.6	.6	.9	.7	.5								59	59	45 8			
64/ 63		.5	.5	.8	.8	.6	.8	.8	1.5	.4	.2								59	59	53 10			
62/ 61		.7	.5	1.2	.7	.4	.4	1.2	.7	.7									54	54	46 16			
60/ 59	.1	.4	.8	.7	.5	.4	.2	1.5	.8	.2									48	48	55 44			
58/ 57		.8	.6	.5	.5	.6	1.4	.6	.4										45	45	60 33			
56/ 55		.7	.2	.1	.8	.8	.9	.4	.1										35	35	53 45			
54/ 53		.4	.1	.6	.6	.6	.5	.4	.1										27	27	48 38			
52/ 51		.7	.7	.7	.5	.7	.7	.7											40	40	46 50			
50/ 49	.1	.7	.4	.5	.1	.7	.7	.2											29	29	56 30			
48/ 47	.1	1.2	.2	.8	.5	.4	.6												32	32	70 39			
46/ 45		1.9	.9	.1	.8	.6	.1												38	38	73 29			
44/ 43		.6	.4	.4	.8	.2													20	20	44 42			
42/ 41		.5	.6	.2	.5														15	15	39 32			
40/ 39		.8	.9	.5	.4														22	22	29 33			
38/ 37		.6	.2	.4	.1	.1													12	12	46 34			
36/ 35			.4	.1		.1													5	5	22 48			
34/ 33		.8		.1	.1														9	9	15 37			
32/ 31		.2																	2	2	11 52			
30/ 29																					4 29			
28/ 27																					2 42			
26/ 25																					2 24			
24/ 23																					24			
22/ 21																					21			
20/ 19																					29			
18/ 17																					10			
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Ref. Num.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NR. 44
Q-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 1500-1700
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEA
MONTH

HOURS 14. 5. 7.

USAFETAC
FORM
JA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEA
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

ALL

HOURS (L - S - T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70.73-81

YEARS

MAR
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
74/ 73											.1										1	1		
72/ 71		.3	1.9	.3																	24	24	1	
70/ 69	.1	1.9	3.2	.3		.2		.2		.1											57	57	14	3
68/ 67	.9	1.7	1.5	1.1	.2	.2	.1	.1	.2	.2											58	58	50	33
66/ 65	1.3	2.4	1.7	.2	.3			.1	.3	.1											60	60	56	61
64/ 63	.5	2.4	.5	.6	.3		.2	.5	.3												51	51	38	37
62/ 61	.1	4.3	.9	.5	.2	.3	.4	.1	.1												65	65	53	36
60/ 59	.1	4.2	2.0	1.6	.8	.9	.3	.8	.1												100	100	55	47
58/ 57	.4	1.8	1.7	.4	.6	.8	.3	.2													59	59	64	58
56/ 55		2.4	1.6	1.2	1.1	.5	.2														65	65	41	47
54/ 53		1.2	3.4	2.0	1.2	1.1	.1	.1													85	85	64	40
52/ 51		.5	3.0	1.5	1.5	1.1	.2	.1													74	74	41	44
50/ 49	.3	.3	1.4	1.3	.2	.5	.2														40	40	85	31
48/ 47		1.3	1.9	1.7	.5																51	51	75	40
46/ 45		.9	1.7	1.8	.3	.2															46	46	67	39
44/ 43		.4	1.2	.4	.1																20	20	68	53
42/ 41		.3	.6	.8	.1																17	17	35	53
40/ 39		1.0	1.3	.3																	24	24	46	54
38/ 37		.4	.5	.4																	13	13	27	40
36/ 35	.1	.3	.1																		5	5	19	58
34/ 33	.1		.4	.1																	6	6	14	37
32/ 31			.1	.1																	2	2	3	45
30/ 29			.4	.1																	5	5	6	26
28/ 27				.1																	1	1		14
26/ 25																							5	6
24/ 23																							2	8
22/ 21																								5
20/ 19																								8
18/ 15																								3
16/ 9																								1
8/ 7																								2
TOTAL	4.0	28.1	31.4	17.1	7.5	5.8	2.2	2.3	1.1	.4	.1										929	929		929
																						929	929	
Element (X)	Σx'		Σx		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	5371183		68759		74.0		17.434		929		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	3018329		52275		56.3		9.097		929				.8		14.0		.1						93	
Wet Bulb	2588603		48197		51.9		9.744		929				1.6		6.5								93	
Dew Point	2233266		44034		47.4		12.547		929				11.8		3.6								93	

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81
YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73			.1															1	1						
72/ 71		.4	1.3	.2	.1													19	19						
70/ 69		1.2	1.0	.4														24	24	11	3				
68/ 67	.6	2.5	2.5	.3														55	55	41	26				
66/ 65	1.3	2.3	1.5	.3			.1		.3	.2								56	56	41	50				
64/ 63	1.0	3.1	1.1	.3		.2	.1		.2									56	56	66	45				
62/ 61	.6	4.2	1.5	1.2	.3	.3	.2	.1										79	79	42	44				
60/ 59	1.3	1.9	2.3	.1	.6	.1	.5	.3	.1									68	68	61	66				
58/ 57	1.0	2.8	1.7	.6	.1	.2	.4	.2										66	66	51	40				
56/ 55	.5	2.4	.6	.3	.9	1.0	.1	.1										55	55	65	52				
54/ 53	.1	1.9	1.8	.9	1.1	.9	.4	.2										68	68	42	55				
52/ 51	.3	1.6	3.0	.9	.6	.3												63	63	36	31				
50/ 49	.4	1.6	2.7	.9	.9	.3	.1											64	64	53	31				
48/ 47	.1	1.0	1.9	.8	.5	.2	.1											43	43	82	36				
46/ 45		1.3	1.3	1.1	.4	.2												40	40	65	42				
44/ 43		1.4	1.8	1.0	.4													43	43	43	38				
42/ 41		1.3	1.7	1.1	.2													40	40	50	46				
40/ 39	.2	.8	1.3	.3														24	24	49	51				
38/ 37	.1	1.0	1.0	.4														23	23	51	32				
36/ 35		.3	1.2	.2														16	16	23	47				
34/ 33		.8	.3															10	10	20	45				
32/ 31		.4	.4	.1														9	9	19	42				
30/ 29			.3															3	3	8	35				
28/ 27		.1																1	1	2	21				
26/ 25		.1																1	1	5	20				
24/ 23			.1															1	1	1	11				
22/ 21			.2															2	2		6				
20/ 19																				3	8				
18/ 17																					1				
16/ 15																					3				
14/ 9																					3				
TOTAL	7.6	34.3	32.7	11.4	6.2	3.8	2.2	1.0	.6	.2								930	930		930				
																		930		930					
Element (X)	Σx'		Σx		X		°x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	5892159		72361		77.8		16.791		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	2829146		50460		54.3		9.913		930			1.7	9.9	.1			93								
Wet Bulb	2491356		47134		50.7		10.505		930			3.8	5.2				93								
Dew Point	2203058		43624		46.9		12.990		930			15.0	2.9				93								

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 1200-1400
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
25 / 25																						12
24 / 23																						3
22 / 21																						9
21 / 19																						3
18 / 17																						10
16 / 15																						2
14 / 13																						2
13 / 11																						2
11 / 9																						2
TOTAL	1.1	7.3	10.0	8.4	9.2	12.4	12.4	10.8	8.9	6.5	5.7	3.3	2.2	.9	.8	.3			930	930	930	

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2999195	48637	52.3	22.145	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4446476	63718	68.5	9.332	930			59.1	33.3	9.3	.1	93
Wet Bulb	3142535	53499	57.5	8.362	930		.4	15.6	.5			93
Dew Point	2293357	44519	47.9	13.215	930		13.2	4.6	.1			93

PSYCHROMETRIC SUMMARY

YEARS

MAE
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
94/ 93																.1	.2			3	3														
92/ 91																.2	.2	.1		5	5														
91/ 89										.3	.1	.2	.2			.2		.1	11	11															
87/ 87									.1	.1						.1	.1		5	5															
86/ 85										.2			.1	.1	.5	.2	.1		12	12															
84/ 83							.2	.2	1.3	.9	.1		.4	.1	.4	.1			35	35															
82/ 81					.1	.2	.6	1.0	1.6	.1	.1	.6	.5	1.3					58	58															
80/ 79			.1		.3	.9	1.1	1.2	.8	.4	.5	1.1	1.4	.3					75	75															
77/ 77				.2	.8	.9	1.3	1.2	1.0	.6	1.1	.6	.5	.1					77	77											1				
76/ 75			.3	.6	1.4	1.1	.6	1.2	1.3	.4	.6	.5	.2						78	78														1	
74/ 73		.1	.4	1.4	.4	1.1	.8	.6	.5	.9	1.3	.8	.5	.1					83	83											11				
72/ 71		.3	.3	1.2	.9	.2	.3	.6	1.2	1.6	1.4		.1						76	76										24					
70/ 69	.1	.8	1.3	.6	.8	.1	1.0	1.5	.9	1.4	.8	.3							88	88										52	15				
67/ 67		.6	.5	.3	.9	.3	1.6	1.2	1.9	.3	.3	.2							77	77										89	30				
66/ 65		.2	.5	.1	.5	.4	.8	.6	.6	.4									40	40										73	39				
64/ 63		.4		.4	.4	.5	.8	.5	.5	.6	.4								44	44										60	52				
62/ 61		1.2	.3	.2		.4	.5	.9	.5	.1									39	39										60	40				
60/ 59		.3	.3	.5	.2	.1	.2	1.1											26	26										72	64				
58/ 57		.1		.6	.1	.3	.1	.5											17	17										79	44				
56/ 55			.2	.3	.4	.3	.1												13	13										95	43				
54/ 53		.6	1.0	.6															21	21										84	32				
52/ 51			.5	.4	.1	.1																													

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
25																						14												
23																						5												
21																						5												
19																						8												
17																						4												
15																						5												
13																						2												
11																						3												
TOTAL	.1	5.1	6.9	8.8	7.6	7.8	10.5	13.4	12.2	7.5	6.8	4.9	3.5	2.9	1.0	.6	.2		930			930												

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 1800-2000
HOURS 18 3 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
2 / 21																						5															
2 / 19																						8															
1 / 17																						3															
1 / 13																						3															
1 / 11																						3															
TOTAL	.4	8.2	13.3	13.3	12.0	13.8	10.2	9.6	6.2	4.5	3.3	2.7	1.3	.8	.2	.1		930			930																

USAFETAC
FORM
SPL 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

~~2100-2300~~
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

70.73-81

YEARS.

MAR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
26 / 25		.0																1	1	18	98			
24 / 23			.0															3	3	4	52			
22 / 21			.0															2	2	2	51			
20 / 19																				5	63			
18 / 17																					23			
16 / 15																					17			
14 / 13																					10			
12 / 11																					12			
10 / 9																					10			
8 / 7																					3			
TOTAL	3.1	19.0	21.7	13.4	9.1	8.2	6.5	6.0	4.5	3.0	2.2	1.5	.9	.6	.3	.1	.0	7439	7439	7439	7439			

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

APR
MONTH

PAGE 1 ~~0000-0200~~

~~0000-0200~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7- / 77			.1	.2														3	3					
76- / 75			1.4	.7														19	19					
74- / 73		.1	2.3	1.1														32	32	1				
72- / 71		1.4	6.1	1.4														81	81	28	4			
70- / 69	.1	3.9	6.9	.6	.1	.1				.2	.1							108	108	62	38			
68- / 67	.3	2.8	4.9	.7			.2											80	80	104	89			
66- / 65		4.6	3.9	1.7		.2		.2	.1	.1								97	97	89	82			
64- / 63	.1	3.6	1.8	1.7	.2	.2	.4	.2										74	74	98	98			
62- / 61	.2	3.2	2.4	1.0	.8	.3	.1	.1										74	74	63	80			
60- / 59		2.8	1.8	.7	.2	.9												57	57	61	55			
58- / 57	.1	2.3	2.9	1.0	.8	.3												67	67	59	52			
56- / 55		1.2	1.9	.9	.4		.3											43	43	58	52			
54- / 53	.2	1.9	1.3	1.0	.4	.6	.2											51	51	51	51			
52- / 51	.1	1.4	.8	.2	.3	.1												27	27	62	55			
50- / 49	.1	.8	.6	.6	.2	.1												21	21	46	40			
48- / 47		.4	.6	.4	.6		.2											20	20	26	29			
46- / 45	.1	.6	.7	1.0	.2		.1											24	24	17	25			
44- / 43		.6	.2	.1														8	8	24	28			
42- / 41		.1	.2	.2														5	5	19	29			
40- / 39			.2	.1														3	3	16	12			
38- / 37		.1	.1	.1														3	3	6	14			
36- / 35		.2	.1															3	3	4	18			
34- / 33																				5	12			
32- / 31																				1	18			
30- / 29																					7			
28- / 27																					4			
26- / 25																					5			
22- / 21																					1			
20- / 19																					1			
18- / 17																					1			
TOTAL	1.4	32.0	41.2	15.3	4.3	2.9	1.7	.6	.1	.3	.1							900	900		900			
																		900	900					

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 1 0300-0500
HOURS (1 - 5 - 7)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 ~~0600-0800~~
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70.73-81

YEARS

APR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
86/ 85														.1								1	1		
84/ 83					.1				.1				.2									4	4		
82/ 81				.1	.3	.7	.1				.1	.1	.1									14	14		
80/ 79				.2	1.7	1.1	.1	.1		.1		.1										31	31		
78/ 77			.2	1.7	2.2	.7	.2	.3	.2		.2		.1									53	53		
76/ 75		.1	.7	2.4	2.6	.6	.8	.2	.2			.1										69	69	2	
74/ 73		.2	1.4	4.4	1.2	1.3	.3	.4	1.2	.2	.3											101	101	15	
72/ 71	.1	2.0	2.8	2.0	1.1	1.1	.9	1.1	.4	.3	.1											108	108	62	10
70/ 69		2.0	2.8	2.6	1.2	1.1	.8	1.1	.8	.1	.1											113	113	97	47
68/ 67	.1	1.2	3.7	1.3	1.6	.6	1.0	.8	.2	.3	.1											98	98	98	97
66/ 65	.1	1.7	2.7	1.8	.7	.4	.8	.6	.3	.2												83	83	83	86
64/ 63	.3	1.9	1.3	1.0	.2	.4	1.0	.1	.2	.2												61	61	96	82
62/ 61	.1	1.3	1.1	.4	.8	.8	.9	.3	.3													55	55	82	77
60/ 59	.2	1.1	.8	.3	.3	.3		.2	.1													31	31	88	73
58/ 57		.7	.2	.1	.6	.3	.4															21	21	61	70
56/ 55	.1	.9	.1	.3	.6	.2		.1														21	21	54	45
54/ 53	.3	.3	.2	.2	.2		.1															13	13	52	45
52/ 51		.6	.1	.1	.4	.1	.2															14	14	35	31
50/ 49				.1	.1	.2																4	4	30	30
48/ 47			.1	.1	.1		.1															4	4	15	27
46/ 45						.1																1	1	15	38
44/ 43																								6	23
42/ 41																								2	28
40/ 39																								5	24
38/ 37																								1	13
36/ 35																								1	12
34/ 33																									7
32/ 31																									16
30/ 29																									2
28/ 27																									6
26/ 25																									5
24/ 23																									3
22/ 19																									3
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature							Total							
Ref. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 ~~0900-1100~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

210-177

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 ~~1500-1700~~
HOURS (L.S.T.)

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

722536
STATION

RANDOLPH AFB TX

70,73-81

YEARS

APR
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-73-81

YEARS

APR
MONTH

PAGE 2 ~~1800-2000~~
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

2100-2300

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
82 / 81				.2														2	2					
80 / 79				.3														3	3					
78 / 77			.2	1.4	.1													16	16					
76 / 75			.8	1.6	.2	.2												25	25	3				
74 / 73		.1	2.7	2.9	1.1	.1			.1			.1	.1					65	65	6	3			
72 / 71		2.4	5.1	2.9	.2		.1		.2			.1						100	100	34	6			
70 / 69		2.4	4.1	3.0	1.1	.3	.2	.2										103	103	76	47			
68 / 67		2.4	6.3	1.6	1.8	1.2	.8	.1	.2									130	130	94	71			
66 / 65	.7	2.4	3.8	1.8	1.3	.2	.3	.4	.1									100	100	102	92			
64 / 63		2.3	.7	1.4	1.3	1.0	.8		.2									70	70	114	83			
62 / 61		1.2	1.4	1.7	1.4	1.2	.3	.9	.1									75	75	63	105			
60 / 59		1.3	2.4	1.8	1.1	.6	.3	.2										70	70	48	63			
58 / 57		.3	1.3	.9	1.0	.4	.3	.1										40	40	66	40			
56 / 55		.7	.8	.8	.4	.4	.3											31	31	74	39			
54 / 53		.6	.4	.6	.1	.2	.2											19	19	56	43			
52 / 51		.4	.1	.1	.4	.1	.1											12	12	52	65			
50 / 49		.4		.4	.8	.2												17	17	30	40			
48 / 47		.1	.3	.4	.3	.2												13	13	24	25			
46 / 45			.2	.2														4	4	13	37			
44 / 43			.1		.1													2	2	16	31			
42 / 41			.2															2	2	18	18			
40 / 39			.1															1	1	6	15			
38 / 37																				3	11			
36 / 35																				2	12			
34 / 33																					19			
32 / 31																					13			
30 / 29																					9			
28 / 27																					5			
26 / 25																					6			
24 / 23																					2			
TOTAL	.7	17.3	31.2	24.0	13.0	6.6	3.9	2.0	1.0			.2	.1					900	900	900	900			
																		900		900				
Element (X)	Σ x²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	5088896		66186		73.515.699		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb	3866667		58663		65.2		6.912		900				44.4		11.1		.3				90			
Wet Bulb	3298494		54020		60.0		7.899		900				21.3		.9						90			
Dew Point	2920723		50353		55.910.734		900		900		3.5		12.7		.3						90			

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

ALL
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2

ALL
HOURS 11. 5. 7.

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 MAY
MONTH

PAGE 1 0000-0200
HOURS (L S T)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

0600-0800
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

0900-110
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
RM AA

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
96/ 95									.1									1	1						
94/ 93									.2	.2								4	4						
92/ 91									.1									2	2						
90/ 89								.3	.6	.1	.2	.1				.1		13	13						
88/ 87						.3	.4	.5	.1	.1	.1							15	15						
86/ 85					.5	1.6	1.2	.6	.5		.1	.1						44	44						
84/ 83				.1	1.7	1.9	2.2	.9	.2	.3	.3							73	73						
82/ 81			.2	1.1	2.6	2.7	2.2	.6	.4	.5	.3							99	99						
80/ 79		.9	1.7	4.3	4.3	1.3	.9	.6	.3	.3	.2							138	138	5					
78/ 77	.2	1.5	2.6	4.3	2.4	1.0	.9	.3	.1	.2								125	125	25					
76/ 75	.6	2.0	2.5	3.8	1.7	1.7	1.3	.1	.1	.1								123	123	59					
74/ 73	1.2	1.3	2.6	1.3	1.1	.5	.3	.6										83	83	128					
72/ 71	.4	1.5	1.3	1.9	1.1	.9	.2	.4										72	72	165					
70/ 69	.8	1.3	.6	.9	.6	.2	.8	.1										49	49	132					
68/ 67	.8	.8	.5	.8	.3	.5												34	34	112					
66/ 65	.9	.6	.2	.1	.3	.2												22	22	82					
64/ 63		.5	.5	.2	.5	.1	.1											19	19	71					
62/ 61	.1			.2	.2	.1	.1											7	7	56					
60/ 59			.2	.1														3	3	31					
58/ 57			.1															1	1	22					
56/ 55																				20					
54/ 53																				13					
52/ 51																				3					
50/ 49																				3					
48/ 47																									
46/ 45																									
44/ 43																									
42/ 41																									
40/ 39																									
38/ 35																									
TOTAL	5.0	10.7	14.1	22.8	19.2	12.1	8.2	4.0	1.6	1.6	.6					.1		927	927	927					
																		927		927					

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

ALL
HOURS IN A.T.I.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

0000-0200

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 ~~0300-0500~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
79 / 79			2.2	1.8	.1																									37	37			
77 / 77			.7	1.6	1.4		.1	.2																						117	117			
76 / 75	.2	6.3	8.9	2.6	1.0																									171	171	41	11	
74 / 73	.2	8.2	7.7	1.2			.1																							157	157	203	90	
72 / 71		6.5	5.3	.7																										112	112	189	205	
70 / 69		3.8	6.9	.4	.1	.2																								103	103	112	159	
68 / 67		2.9	3.8		.2																									62	63	115	116	
66 / 65	.1	2.9	.7	.2	.2																									37	37	76	90	
64 / 63		3.6	.9	.1	.2	.3																								46	46	66	86	
62 / 61	.1	.9	.1	.1																										11	11	26	50	
60 / 59		1.2	1.1	.1																										22	22	20	23	
58 / 57		.7	1.0																											15	15	14	13	
56 / 55		.1	.7	.1																										8	8	23	12	
54 / 53			.1																											1	1	7	17	
52 / 51																																	5	13
50 / 49																																	2	5
48 / 47																																		6
46 / 45																																		2
44 / 43																																		1
TOTAL		.737	.749	.9	8.8	1.9	.8	.2																								900		899
																																899		899

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 ~~0900-1100~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97											.1							1	1					
94/ 93										.1	.2							3	3					
92/ 91								.3	.1									4	4					
90/ 89						.1	1.0	1.2	.2									23	23					
88/ 87					.9	3.3	.9	.2		.1								49	49					
86/ 85			.2	1.1	8.2	3.6	1.7	.2	.2									137	137					
84/ 83				1.1	6.8	5.0	2.4	.7	.1	.3								151	151					
82/ 81		.2	3.0	7.2	4.9	1.6	.6	.3	.3									163	163	1				
80/ 79		.9	5.8	5.1	2.7	1.1	.2	.3	.1									146	146	4				
78/ 77	.1	.6	2.3	3.6	1.1	.7	.6	.2	.2									84	84	77				
76/ 75	.2	.6	2.1	1.3	.6	.3	.4		.2									52	52	225				
74/ 73	.2	1.2	.7	.3	.2	.2	.2	.1										29	29	229				
72/ 71	.2	1.2	.8		.1	.1	.2											24	24	141				
70/ 69	.2	1.3		.1	.2													17	17	89				
68/ 67	.6	.3				.1												9	9	54				
66/ 65		.6																5	5	35				
64/ 63	.1																	1	1	19				
62/ 61	.1																	1	1	12				
60/ 59																				9				
58/ 57																				3				
56/ 55																				1				
54/ 53																								
52/ 51																								
50/ 49																								
48/ 47																								
46/ 45																								
44/ 43																								
TOTAL	1.8	6.9	16.0	25.6	24.0	14.8	7.0	2.0	1.7	.2								899	899	899				

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 ~~1500-1700~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
100/105																.2		2	2				
100/103															.2	.1		3	3				
102/101														.4	.1			5	5				
100/99												.3	1.0	.1				13	13				
98/97										.4	.8	.6						16	16				
96/95								.1	.2	1.2	.8	.4	.2					27	27				
94/93							.1	1.2	1.1	2.2	2.4	.9						72	72				
92/91						.4	1.1	4.3	4.3	5.3	1.9	.4	.1					162	162				
90/89						.4	2.9	6.8	6.8	3.9	.7	.6	.2					200	200				
98/87					.1	.6	4.2	4.6	2.0	.6	.6	.7	.1					120	120				
96/85					.8	1.6	1.4	2.9	1.0	1.0	1.4	.2						93	93				
94/83				.1	.1	.8	2.0	1.8	.7	.6	.3							57	57				
92/81				.2	.4	1.3	1.9	.2			.6							42	42	11			
90/79				.2	.2	1.8	.1	.2	.2		.2							25	25	38	1		
78/77			.2	.4	.8	.3	.1	.1			.3							21	21	146	9		
76/75			.7	.1	.6			.1										13	13	214	26		
74/73		.3	.4	.2														9	9	188	61		
72/71		.4	.4	.4														8	8	146	111		
70/69		.1	.8															8	8	64	153		
68/67			.1															1	1	40	155		
66/65		.1	.1															2	2	34	152		
64/63		.1																1	1	11	109		
62/61																				4	43		
60/59																				3	14		
58/57																				1	15		
56/55																					18		
54/53																					11		
52/51																					14		
50/49																					5		
48/47																					3		
46/45																					2		
44/43																					2		
42/41																					1		
Element (X)	Σ x²		Σ x		x̄		σ _n		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

69-70, 73-80

YEARS

JUN
MONTH

PAGE 1 ~~1800-2000~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
104/103															.1			1	1																
102/101															.2			2	2																
100/99														.1				1	1																
98/97											.1	.4	.2					7	7																
96/95									.1	.2	.6	.1	.1					10	10																
94/93									.2	.7	.2							10	10																
92/91							.1	.3	.4	1.6	.7	.6	.1					34	34																
90/89							.2	.9	2.7	1.9	1.4	.2	.1					67	67																
88/87					.4	1.6	3.6	4.1	1.2	.9			.1					107	107																
86/85			.1	.1	1.3	4.0	4.3	3.1	1.1	.3	.2	.4						136	136																
84/83				1.6	2.7	3.9	3.6	1.2	.4	.6	.4							129	129																
82/81				2.0	4.0	3.4	3.0	1.0	.3	.3	.2							129	129	2	1														
80/79			.2	1.7	2.4	4.0	.9	.2	.4	.1	.1							91	91	19															
78/77		.1	.4	1.7	1.9	1.6	.4	.4										59	59	76	6														
76/75		.1	.4	1.0	1.0	.6		.6	.1	.2								36	36	178	37														
74/73		.6	1.0	2.0	.4	.3	.3	.1										43	43	229	60														
72/71		.2	1.0	.7		.1		.1										19	19	142	110														
70/69		.4	.9		.1		.1											14	14	112	176														
68/67				.1			.1											2	2	73	163														
66/65								.1												28	131														
64/63		.2																2	2	20	87														
62/61		.1																1	1	13	49														
60/59																				4	19														
58/57																				3	13														
56/55																				1	12														
54/53																					10														
52/51																					12														
50/49																					8														
48/47																					2														
46/45																					1														
44/43																					2														
42/41																					1														
TOTAL		1.8	4.1	10.8	14.3	19.8	17.6	14.0	7.4	5.4	2.7	1.3	.4	.2	.1			900	900		900														
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3362956		53782		59.8		12.877		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	6235183		74733		83.0		5.738		900						89.7		86.2		68.9		3.1		90												
Wet Bulb	4717399		65063		72.3		3.925		900						83.1		50.4		.9				90												
Dew Point	4067719		60313		67.0		5.365		900						55.3		10.4		.1				90												

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 2100-2300
MOUTS (1 5 7)

USAFETAC FORM NA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

JUN
MONTH

ALL
RS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUL MONTH

~~0000-0200~~
HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

HOURS 11 5 1

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 ~~0600-0800~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
86 / 85						.1												1	1				
84 / 83				.5	.8													12	12				
82 / 81				2.8	1.4	.3	.2											44	44				
80 / 79			3.8	7.3	2.5	.2												128	128				
78 / 77		1.0	1.4	5.9	.9													178	178	8			
76 / 75		6.7	5.5	4.7	.2													252	252	120	22		
74 / 73	.2	9.0	8.1	1.9	.1													180	180	324	162		
72 / 71	.3	4.3	4.7	.4														91	91	258	294		
70 / 69		2.3	1.7	.1														38	38	143	258		
68 / 67		.2	.2															4	4	56	123		
66 / 65		.1	.1															2	2	17	41		
64 / 63																				3	24		
62 / 61																				1	4		
60 / 59																					1		
58 / 57																					1		
TOTAL	.523	5.45	5.23	8	5.8	.6	.2												930		930		

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6489830	77424	83.3	6.894	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5346778	70456	75.8	3.128	930			92.8	79.5	11.9		93
Wet Bulb	4834343	67015	72.1	2.388	930			90.9	45.2			93
Dew Point	4604859	65397	70.3	2.580	930			85.9	18.4			93

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

HOURS 11. 5. 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
94 / 93									.6	.1	.3	.1						11	11														
92 / 91								.6	.9	1.4	.1	.1						29	29														
90 / 89							.2	4.7	2.2	.9	.1							75	75														
88 / 87						1.5	5.8	4.8	1.3	.3	.1							129	129														
86 / 85					.5	8.0	6.5	1.6	.5									159	159														
84 / 83				.8	6.5	10.3	3.8	.1										199	199														
82 / 81			.4	3.1	8.2	3.1	.5											143	143														
80 / 79			.9	4.8	4.0	.6												96	96	2													
78 / 77		.3	1.2	1.3	.6	.1												33	33	80													
76 / 75		.2	1.4	.9	.2	.1												26	26	325	18												
74 / 73			.8	.3														10	10	391	98												
72 / 71		.6	.5															11	11	84	266												
70 / 69		.4	.4															8	8	33	281												
68 / 67		.1																1	1	11	172												
66 / 65																				4	60												
64 / 63																					27												
62 / 61																					5												
60 / 59																					3												
TOTAL		1.7	5.6	11.2	20.0	23.8	16.8	11.9	5.5	2.7	.6	.2						930	930	930													

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3861171	59081	63.5	10.776	930							
Dry Bulb	6539798	77884	83.7	4.316	930			93.0	91.0	80.4	1.1	93
Wet Bulb	5109705	68911	74.1	1.954	930			92.6	79.8			93
Dew Point	4526748	64840	69.7	2.557	930			83.5	11.6			93

PSYCHROMETRIC SUMMARY

YEARS

MONITOR

PAGE 1 1200-1400

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PSYCHROMETRIC SUMMARY

YEARS

~~1800-2000~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

PAGE 1 ~~0300-0500~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
42/ 81				.1	.4	.2	.1											8	8					
31/ 79			2.7	1.3	.2	1.2												50	50					
71/ 77		4.4	9.6	1.8	1.1	.4												161	161	2				
76/ 75	.2	8.2	10.5	3.2	1.5													220	220	101	33			
74/ 73	.5	6.3	8.7	2.0	.1	.1												166	166	217	163			
72/ 71		7.8	8.6	1.6	.3													171	171	169	170			
71/ 69		4.8	3.8	.5														85	85	224	180			
61/ 67		2.9	1.6															42	42	124	164			
66/ 65		1.4	.6															19	19	53	138			
64/ 63		.5	.1															6	6	29	44			
62/ 61		.1	.1															2	2	9	25			
51/ 59																				2	11			
51/ 57																					2			
TOTAL	.8	36.6	46.3	10.6	3.7	1.9	.1											930	930		930			
																		930		930				

Element (X)	Σ x'	Σ x	Σ	σ _n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6851922	79536	85.5	7.321	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5076701	68637	73.8	3.452	930			90.3	60.5	2.4		93
Wet Bulb	4659641	65761	70.7	3.220	930			83.7	32.0			93
Dew Point	4466240	64364	69.2	3.548	930			71.0	19.6			93

USAFETAC
FORM
NR 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

AUG
MONTH

PAGE 1 0600-0800
HOURS () () ()

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USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.).

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USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

HOURS (L, S, Y.)

PSYCHROMETRIC SUMMARY

AUG
MONTH

1600-2000
HOURS U. S. T.

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
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PSYCHROMETRIC SUMMARY

YEARS

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PAGE 1 ~~0000-0200~~
HOURS (L S T)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 3A-64

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
9 / 97														.3				3	3														
6 / 95									.8	.9	.2	.3						20	20														
4 / 93								.1	.9	1.6	1.1	.1	.1					35	35														
2 / 91							.1	1.3	3.0	2.9	.4	.2	.4	.1				77	77														
0 / 89						.1	1.8	5.1	4.3	1.3	.2	.3	.2	.1				122	122														
8 / 87					.1	.7	5.3	4.0	2.0	.3	1.2	.1						124	124														
6 / 85				.3	5.3	4.1	2.7	.4	1.8	.7	.2							140	140														
4 / 83			.2	2.2	2.0	1.4	1.1	1.7	.6	.8	.1							91	91														
2 / 81			.6	1.9	1.4	.8	1.1	.8	.3	.2	.3							67	67	1													
0 / 79		.6	1.4	1.4	1.1	.6	.4	.6	.4	.2	.1							62	62	7	1												
7 / 77	.1	.8	.9	.3	.6	.7	.2	.4	.6	.1								42	42	85													
76 / 75	.2	.8	.9	.7	.1	.2	.7	.2	.7	.1								41	41	247	8												
74 / 73	.2	.6	.6	.1	.6	.2	.2	.4	.1									27	27	190	55												
72 / 71	.4	.6	.2	.1	.3													15	15	98	147												
70 / 69	.7	.6	.7	.2	.2													21	21	52	179												
68 / 67	.1	.1	.2															4	4	91	134												
66 / 65		.1	.1		.2													4	4	40	107												
64 / 63		.1				.1												2	2	31	43												
62 / 61		.3																3	3	25	35												
60 / 59																				15	39												
58 / 57																				15	39												
56 / 55																				2	32												
54 / 53																				1	20												
52 / 51																					20												
50 / 49																					11												
48 / 47																					7												
46 / 45																					7												
44 / 43																					12												
42 / 41																					4												
TOTAL	1.8	4.4	5.8	7.4	12.7	15.3	17.0	14.8	11.3	6.0	1.8	1.1	.6					900	900	900													

Element (X)	Z _x ²	Z _x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2863543	49167	54.6	14.053	900			89.1	85.1	71.4	5.8	90
Wet Bulb	6447901	75959	84.4	6.419	900			77.1	53.0	.1		90
Dew Point	4666386	64656	71.8	4.890	900			52.4	6.4			90

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEE
MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
89										.1								1	1					
85							.1		.1	.1								3	3					
83					.7	.6	.2	.3										16	16					
81			.3	1.4	1.0	.7	.1											40	40					
79			1.6	4.8	3.1	1.2	.1	.1										98	98					
77			4.9	6.1	1.6	.4	.2		.1									120	120	5				
75		3.4	8.4	4.2	2.2	.3	.2	.2										172	172	39	6			
73		2.7	6.1	3.1	.7	1.0	.4	.2										128	128	208	52			
71		2.7	4.1	1.2	1.0	.8	.9	.2										98	98	172	174			
69	.1	.8	3.0	.9	1.4	.8	.2		.1									66	66	137	164			
67		1.1	2.9	.8	.3	.3		.3										52	52	76	136			
65		.4	.9	.8	1.0	.1												29	29	51	91			
63		.8	.3	.7	.7	.1												23	23	64	42			
61		.2	1.1	.7		.6		.2										25	25	40	40			
59		.2	.3	.6	.2													12	12	29	36			
57		.2	.1	.6	.1		.1											10	10	32	32			
55			.3	.1														4	4	17	33			
53			.2															2	2	11	24			
51			.1															1	1	13	27			
49																				2	13			
47																				3	12			
45																				1	7			
43																					4			
41																					4			
39																					3			
TOTAL		.1	12.6	34.8	25.9	14.9	6.9	2.7	1.7	.3	.2							900	900		900			

Element (X)	Σ x'	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature							
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Rel. Hum.	5384357	68833	76.5	11.550	900								
Dry Bulb	4883911	66101	73.4	5.688	900			79.4	57.8	10.6			90
Wet Bulb	4228333	61465	68.3	5.836	900			63.7	25.2				90
Dew Point	3893581	58637	65.4	7.242	900		.3	53.2	5.8				90

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

HOURS ~~ALL~~ L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCI
MONITOR

MOVIES (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
80 / 79			.3	.3														6	6															
78 / 77			.9	.8	.1													16	16															
76 / 75		.6	2.2	.4	.1	.1												32	32	4														
74 / 73		2.9	2.4	.2					.1	.2								54	54	34	15													
72 / 71		2.3	2.3	.4	.3	.3	.1		.1									54	54	53	44													
70 / 69	.2	3.5	2.7	1.0	.4	.2		.2	.2									79	79	47	49													
68 / 67	.1	4.5	3.8	.8	.5	.3	.1	.1										95	95	76	57													
66 / 65	.1	3.5	3.0	1.6	.5	.1	.1	.1										85	85	76	74													
64 / 63	.1	2.9	1.9	.8	.8	.2	.5											67	67	72	56													
62 / 61	.4	3.3	2.0	1.2	1.4	.5	.4	.2										89	89	61	71													
60 / 59		2.7	2.4	.6	.1	.1	.3											58	58	73	44													
58 / 57		2.2	2.0	1.0	.1	.2	.2											53	53	58	65													
56 / 55		1.2	.9	.5	.5	.2	.3	.1										35	35	73	65													
54 / 53	.2	2.0	1.4	.9	.5		.1											48	48	50	47													
52 / 51		1.9	1.7	.6			.1											41	41	44	50													
50 / 49		1.8	1.6	.9	.3													43	43	49	41													
48 / 47		1.3	.8	.3														22	22	59	48													
46 / 45		.1	1.2															12	12	26	45													
44 / 43	.3	.4	.8	.3														17	17	24	31													
42 / 41		.6	.3															9	9	18	25													
40 / 39		.2	.2															4	4	13	26													
38 / 37		.9	.2															10	10	13	28													
36 / 35			.1															1	1	5	25													
34 / 33																				2	7													
32 / 31																					11													
30 / 29																					3													
28 / 25																					3													
TOTAL	1.5	39.0	34.9	12.6	5.8	2.4	2.4	.8	.4	.2									930	930	930													
																		930		930														

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

QCI
MONTH

PAGE 2 ~~0900-1100~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

QCI
MONTH

PAGE 2

~~1200-1400~~
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
24 / 27																						6	
24 / 25																						2	
24 / 23																						3	
21 / 21																						3	
TOTAL	.3	3.5	5.2	3.5	5.6	9.6	11.5	16.3	12.8	13.8	10.0	4.0	1.6	1.8	.4				930	930	930	930	
																			930	930			

USAFETYAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OC 1
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
4/ 83					.1													1	1		
12/ 81					.1	.1												2	2		
21/ 79			.1	.4	.3		.1				.1							10	10		
76/ 77			1.5	1.0	.2			.1										26	26		
76/ 75		.9	2.2	1.6	1.2	.6	.1	.3		.1								65	65	3	
74/ 73		1.0	1.8	2.6	1.2	.9	.9		.1									78	78	39	
72/ 71		1.8	2.6	2.8	.9	.3	.2											80	80	37	
71/ 69		2.3	4.1	1.5	1.1	1.0	.8	.3	.1									103	103	66	
68/ 67		1.2	3.7	1.3	1.2	.4	.3	.1	.1									77	77	89	
66/ 65		1.9	2.9	1.5	.8	1.3	.4	.2	.1									85	85	88	
64/ 63		1.3	1.8	2.3	1.3	.2	.1	.2										67	67	76	
62/ 61		2.0	1.7	2.0	.4	.5	.2	.1	.1									67	67	71	
61/ 59		.6	2.3	1.0	.4	1.0	.2	.3										54	54	72	
58/ 57		1.4	1.4	.4	.8	.8	.3	.2										49	49	72	
56/ 55		.5	1.1	.8	1.1	.2												34	34	72	
54/ 53		1.5	1.2	.3	.3	.3												34	34	36	
52/ 51		1.6	1.3	.5	.6	.1												39	39	47	
50/ 49		.3	.6	.8														16	16	50	
48/ 47		.6	.5	.6														17	17	34	
46/ 45		.3	.5	.3														11	11	34	
44/ 43	.3		.2	.1														6	6	24	
42/ 41		.1	.1															2	2	9	
40/ 39		.4	.3															7	7	4	
38/ 37																				5	
36/ 35																				2	
34/ 33																				17	
32/ 31																				5	
30/ 29																				9	
28/ 27																				3	
26/ 25																				2	
TOTAL	.3	19.9	31.9	21.8	11.9	7.7	3.7	1.8	.6	.1	.1							930	930	930	

PSYCHROMETRIC SUMMARY

YEARS

Oct
MONTH

ALL
HOURS (1 - 24)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point													
96/ 95										.0					.0			5	5														
94/ 93										.0					.0	.0		5	5														
92/ 91										.0	.0	.0	.1	.1				22	22														
90/ 89					.0			.1	.2	.3	.2	.1	.1	.1				65	65														
88/ 87							.0	.2	.3	.2	.2	.1	.0	.1	.0			77	77														
86/ 85					.0	.2	.5	.6	.4	.3	.1	.1	.1	.1				173	173														
84/ 83				.0	.2	.5	.6	.8	.6	.4	.3	.1	.0					263	263														
82/ 81			.0	.1	.5	.5	.9	.6	.5	.4	.2	.1	.0	.1				289	289	1													
80/ 79			.2	.6	.7	.9	.7	.6	.5	.3	.4	.1		.1				373	373														
78/ 77		.0	.7	.9	.8	.7	.5	.6	.5	.3	.3	.0	.0	.0				396	396	8	1												
76/ 75		.5	1.2	.8	.9	.8	.6	.5	.3	.4	.1	.0	.0					445	445	94	6												
74/ 73		1.5	1.6	1.3	.7	.5	.6	.3	.5	.3	.2	.1	.0					553	553	413	83												
72/ 71	.1	1.9	1.6	1.2	.6	.6	.4	.3	.4	.3	.2	.1	.0					550	550	527	293												
70/ 69	.2	2.0	1.9	.7	.6	.6	.6	.4	.3	.1	.1							566	566	632	434												
68/ 67	.1	2.2	1.8	.7	.8	.5	.3	.3	.2	.2	.1							540	540	731	519												
66/ 65	.1	2.2	1.5	1.0	.5	.6	.3	.3	.3	.1	.0							511	511	629	580												
64/ 63	.1	1.9	1.0	.7	.7	.3	.3	.3	.1	.0								423	423	637	527												
62/ 61	.1	1.5	1.2	.7	.6	.5	.2	.3	.1									391	391	509	557												
60/ 59	.1	1.4	1.2	.6	.2	.4	.3	.1	.0									322	322	487	447												
58/ 57	.1	1.2	1.1	.4	.3	.4	.2	.1										275	275	482	435												
56/ 55	.1	1.3	.8	.4	.4	.2	.2	.0										250	250	425	488												
54/ 53	.0	1.0	.8	.5	.3	.2	.1											209	209	410	400												
52/ 51		1.2	.8	.4	.1	.1	.0											200	200	305	355												
50/ 49		1.0	.8	.4	.1	.1												177	177	318	412												
48/ 47	.0	.7	.4	.3	.1	.0												111	111	283	322												
46/ 45	.1	.4	.5	.1														75	75	193	332												
44/ 43	.2	.3	.3	.1														61	61	145	211												
42/ 41		.3	.3	.0	.0													53	53	78	237												
40/ 39		.2	.1															23	23	60	175												
38/ 37		.3	.1															24	24	33	180												
36/ 35	.0	.1	.1															12	12	27	145												
34/ 33	.0																	1	1	12	94												
32/ 31																				1	101												
30/ 29																					49												
Element (X)	Σ x²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

PSYCHROMETRIC SUMMARY

OCT
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0000-0200

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 0000-0200
HOURS (L. S. - T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73		.1	.4															5	5		
72/ 71		2.0	1.3															30	30	7	1
71/ 69		2.0	1.0															27	27	37	16
68/ 67		1.3	1.9															29	29	18	33
66/ 65	.3	3.8	1.7	.1	.1					.1								55	55	27	33
64/ 63	.6	2.9	.8	.2	.1					.1								42	42	61	35
62/ 61		3.3	.4		.1	.2				.1								38	38	34	44
61/ 59	.1	4.3	1.0	.1	.3				.1									54	54	43	37
58/ 57		3.2	1.8	.3	.1	.4	.1		.2									56	56	43	51
56/ 55	.1	2.7	1.2	.3	.2	.1												42	42	40	29
54/ 53	.2	3.7	1.9	.9	.3													63	63	47	41
52/ 51	.4	2.9	1.4	1.1	.2													55	55	57	40
50/ 49	.3	2.4	1.6	.4	.7	.4												53	53	46	50
48/ 47	.1	2.9	1.7	1.2	1.0	.2												64	64	50	45
46/ 45	.2	2.4	1.1	.8	.2	.3	.1											47	47	66	32
44/ 43	.2	1.1	2.2	1.0	.1	.2												44	44	41	45
42/ 41		1.8	1.1	.7	.1													33	33	40	39
40/ 39	.2	1.7	1.8	.4	.2	.2	.1											42	42	52	32
38/ 37	.2	1.9	1.1	.4	.1													34	34	44	37
36/ 35		1.4	.9	.2														23	23	42	44
34/ 33	.1	1.0	1.3	.3														25	25	30	39
32/ 31	.1	.6	.4	.1														11	11	23	45
30/ 29		.6		.1														6	6	18	31
28/ 27	.2	.7	.2															10	10	15	19
26/ 25		.2																2	2	4	22
24/ 23		.3	.2															5	5	5	14
22/ 21		.3																3	3	4	14
20/ 19	.1	.1																2	2	5	10
18/ 17																				1	8
16/ 15																					7
14/ 13																					1
12/ 9																					4
6/ 5																					2
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 91					.1					.1								2	2																
81/ 79			.1		.1	.3		.2		.2								9	9																
78/ 77			.2	.8	.6	.2	.1											17	17																
76/ 75		.1	.2	.3	.6	.7	.3			.1								27	27	1															
74/ 73		.7	1.8	1.4	.6	.4	.1	.4	.2									51	51	7	2														
72/ 71		.4	2.0	1.1	1.1	.7	.2	.3	.1	.1	.1							56	56	23	7														
70/ 69		1.0	2.4	.6	1.0	.4	.7		.2	.2								59	59	33	21														
68/ 67		1.2	2.6	1.0	1.0	.2	.4	.1	.7									65	65	53	38														
66/ 65		1.4	.9	.9	.6	.3	.2	.6	.3	.1								48	48	62	45														
64/ 63	.1	1.3	1.9	.8	.6	1.0	.3	1.0	.1	.1								65	65	59	44														
62/ 61	.3	1.9	.8	.6	.9	.2	1.2	.3	.2	.1								59	59	45	46														
60/ 59		1.3	1.0	.6	1.0	.6	.8	.6	.6									57	57	66	47														
58/ 57	.1	1.2	1.2	.7	1.1	1.1	.6	.7	.3	.1								64	64	36	53														
56/ 55	.1	1.3	1.3	1.2	1.7	.9	.6	.3	.2									69	69	44	39														
54/ 53		1.2	1.1	1.6	.6	.8	1.0	.2										58	58	51	39														
52/ 51		1.0	.6	.4	1.0	.8	.8	.3										44	44	65	43														
50/ 49		.6	1.3	.8	1.2	.9	.3											46	46	61	35														
48/ 47		1.0	.3	.6	.7	.2	.2											27	27	60	32														
46/ 45		.2	.6	.7	.2	.3		.2										20	20	51	37														
44/ 43		.1	.3	.7	.2	.6												17	17	41	39														
42/ 41		.3	.3	.2	.2	.2	.2											14	14	49	45														
40/ 39		.3	.1		.3	.2												9	9	34	27														
38/ 37		.3			.1													4	4	17	31														
36/ 35	.1	.1	.1	.1		.1												5	5	13	49														
34/ 33	.1	.2		.1														4	4	11	31														
32/ 31																				7	36														
30/ 29			.2															2	2	6	17														
28/ 27		.2																2	2	1	21														
26/ 25																					12														
24/ 23																					13														
22/ 21																					12														
20/ 19																					13														
18/ 17																					13														
16/ 15																					6														
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DISAPETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 ~~1200-1400~~
HOLERS (1-3-7)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 ~~1500-1700~~
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
81						.1		.1										2	2					
79					.1	.2				.2		.1						6	6					
77				.4	.4	.3		.1	.2	.1								15	15					
75		.3	.7	.6	1.2	.6	.8	.1	.1									39	39					
73			.8	3.0	1.0	1.0	.6	.1	.1		.1							60	60	4				
71		.4	1.2	1.7	1.2	1.0	.1	.2	.1	.2		.1						57	57	15				
69			1.3	1.2	1.7	.2	.1	.3	.1		.1							46	46	34				
67			1.1	1.1	1.8	.8	.8	.9	.1	.2								61	61	42				
65		.6	1.2	1.7	.8	.6	.8	.4	.3									57	57	47				
63		.7	1.7	1.4	1.2	1.0	.7	.2	.2	.1								65	65	55				
61	2.1	.7	1.6	.9	.8	1.1	.6	.4	.1									74	74	62				
59	.3	1.0	1.8	.9	1.2	.4	.7	.2										59	59	72				
57	.6	1.0	1.4	1.0	.9	.6	.2	.1										52	52	38				
55	.6	1.7	.8	1.2	.9	1.1	.9	.1										65	65	57				
53	.3	.8	.8	1.0	.8	1.0	.3											45	45	65				
51	.6	.8	.8	.9	.4	1.3	.1											44	44	62				
49	.7	1.0	.9	.6	.4	.3	.1											36	36	52				
47	.2	.7	.8	1.0	.7	.2	.1											33	33	52				
45	.7	.1	.4	.8	.3	.3												24	24	53				
43		.4	.3	.1	.1	.2												11	11	43				
41	.2	.6	.4	.3	.3	.2												19	19	40				
39	.2	.4	.4	.2		.2												14	14	35				
37		.4		.1	.1													6	6	31				
35		.2		.2														4	4	12				
33	.1		.1	.1														3	3	13				
31			.1	.2														3	3	3				
29																				8				
27																				4				
25																				1				
23																				26				
21																				9				
19																				4				
17																				3				
15																				9				
Element (X)	Σ X²			Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
14 / 13																						4	
12 / 11																						3	
7 / 7																						3	
5 / 5																						2	
4 / 3																						1	
TOTAL	.3	9.3	17.3	21.9	18.2	12.8	11.0	5.7	2.1	.9	.2	.2							900	900	900		

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 2100-2300

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

NOV

YEARS

MONTH

2100-2300

HOURS (L, S, T,)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 87									.0	.0		.0		.0				7	7		
86/ 85								.1	.1	.1	.0		.0					24	24		
84/ 83							.0	.1	.1	.1	.1	.0			.0			39	39		
82/ 81				.0	.1	.2	.3	.2	.2	.1	.0	.1	.0			.0		97	97		
80/ 79			.0	.1	.2	.5	.3	.5	.2	.1	.0	.1	.1	.0				160	160		
78/ 77			.0	.3	.6	.5	.4	.3	.2	.1	.2	.0	.0					186	186		
76/ 75		.1	.2	.4	.5	.5	.4	.3	.2	.1	.1	.1	.1					211	211	41	
74/ 73		.3	1.0	.9	.4	.4	.2	.3	.3	.2	.1	.1						304	304	42	5
72/ 71	.0	1.2	1.3	.6	.5	.4	.3	.2	.2	.2	.1	.0						362	362	150	42
70/ 69	.0	1.0	1.3	.4	.5	.4	.2	.3	.3	.2	.1	.0						346	346	357	136
68/ 67		.8	1.4	.5	.6	.2	.3	.3	.3	.2	.1							345	345	363	265
66/ 65	.1	1.5	1.2	.6	.4	.3	.3	.3	.2	.3	.1							366	366	344	311
64/ 63	.2	1.8	1.0	.6	.4	.6	.3	.3	.4	.2	.1							416	416	413	259
62/ 61	.1	2.0	.8	.7	.4	.3	.5	.3	.3	.2	.0							415	415	366	399
60/ 59	.0	2.1	1.2	.6	.4	.6	.3	.5	.4	.0	.0							444	444	406	298
58/ 57	.0	1.6	1.4	.7	.8	.6	.3	.3	.2	.0								434	434	352	386
56/ 55	.1	1.6	1.6	.7	.8	.5	.4	.3	.1									439	439	419	366
54/ 53	.1	1.7	1.2	.9	.6	.4	.3	.2	.0									387	387	440	335
52/ 51	.2	1.4	1.1	.7	.6	.3	.4	.1	.0									354	354	475	333
50/ 49	.1	1.1	1.4	.8	.6	.4	.2	.1	.0									349	349	421	343
48/ 47	.0	1.3	1.0	.9	.5	.3	.1	.1										303	303	436	324
46/ 45	.1	.9	.8	.6	.4	.2	.1	.1										227	227	439	284
44/ 43	.1	.6	.8	.6	.2	.2	.1											189	189	331	322
42/ 41	.1	.9	.8	.4	.2	.1	.1											182	182	306	348
40/ 39	.2	.9	.7	.2	.1	.1	.0											160	160	278	293
38/ 37	.1	.8	.6	.3	.1	.0												127	127	236	283
36/ 35	.1	.6	.5	.3	.1	.0												118	118	177	338
34/ 33	.1	.4	.4	.2	.0													78	78	157	258
32/ 31	.0	.2	.3	.1	.0													46	46	92	248
30/ 29	.0	.2	.2	.1														33	33	79	225
28/ 27	.0	.2	.1	.0														25	25	52	166
26/ 25		.1	.0															10	10	29	151
24/ 23		.1	.0															7	7	17	127
22/ 21	.1	.0																7	7	12	100
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total			
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-70, 73-80

NOV
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONIN

PAGE 1 ~~0000-0200~~
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
7-62
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORMS
ARE 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
74/ 73			.3															3	3													
72/ 71			.2															2	2													
70/ 69		.3	1.4															16	16	4												
68/ 67		1.4	2.7															38	38	7												
66/ 65		2.5	.8															30	30	23												
64/ 63		1.4	.2															15	15	33												
62/ 61	.3	1.7	.4	.1	.1													25	25	37												
60/ 59	.1	1.8	.3															21	21	21												
58/ 57	.4	3.2	.2		.4	.4		.1										45	45	15												
56/ 55	.2	2.4	.6	.1	.4	.2	.1											38	38	31												
54/ 53	.5	2.3	.8	.2	.4	.3	.3											45	45	36												
52/ 51	.3	2.5	1.6	.3	1.2	.4	.1											60	60	31												
50/ 49	.3	2.5	1.7	1.4	.3	.5												63	63	30												
48/ 47	.1	2.5	1.5	1.7	.9	.5												67	67	25												
46/ 45	.1	3.3	1.0	.9	.5	.2												56	56	47												
44/ 43		1.8	1.8	1.7	.9	.3												61	61	30												
42/ 41		3.0	3.5	1.6	1.0	.2												87	87	47												
40/ 39	.2	1.9	1.4	.6	.3													42	42	47												
38/ 37	.1	2.3	1.3	.8	.6													47	47	41												
36/ 35		2.8	2.6	1.1	.3													63	63	53												
34/ 33	.1	1.6	2.8	.8	.2													51	51	60												
32/ 31	.2	1.0	1.0	.4														24	24	66												
30/ 29		.4	.5	.1	.1													11	11	47												
28/ 27		1.0	.1	.1														11	11	54												
26/ 25		.2	.5	.1														8	8	40												
24/ 23			.1															1	1	21												
22/ 21																				3												
20/ 19																				1												
18/ 17																				13												
16/ 15																				11												
14/ 13																				8												
12/ 11																				4												
10/ 9																				2												
8/ 7																				1												
Element (X)	Σ X'																															

USAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-70, 73-80

YEARS

DEC
MONIM

PAGE 2

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AN-44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 ~~1200-1400~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
44/ 83											.1			.1	.1			3	3													
52/ 81									.2			.2						4	4													
60/ 79					.1	.1	.2	.1	.2		.1	.1						9	9													
70/ 77					.2	.3	.5	.4	.1		.1	.2						18	18													
76/ 75				.2	.5	1.3	.1	.3	.2	.3								29	29													
74/ 73			.2	.8	1.1	1.4	.4	.2	.6	.6	.1	.2						53	53													
72/ 71			.5	.4	.4	.9	.3	.9	.8	.8	.2							48	48	3												
72/ 69		.3	1.1	1.2	1.5	.9	.4	1.1	.6	.3	.9	.2						79	79	11												
68/ 67	.1		.5	.8	1.1	.5	.8	1.4	.4	.3	.1	.1						57	57	30	15											
66/ 65		.9	.6	.5	.6	1.0	1.0	.9	1.0	.5	.2	.1						68	68	44	14											
64/ 63		.5	.3	1.1	.6	.5	1.0	.9	1.0	.4	.2							61	61	58	21											
62/ 61	.1	1.1	.5	1.1	.8	.6	1.3	1.3	.6	.4								73	73	45	40											
60/ 59		1.0	.4	.1	.5	.6	1.1	1.1	.6									51	51	45	37											
58/ 57		.8	.3	.4	.5	2.2	1.2	1.4	.6	.3								72	72	61	52											
56/ 55		1.1	.6	.5	.9	1.6	1.4	1.1	.4	.2								73	73	68	40											
54/ 53		.5	.9	.5	1.1	.5	1.5	.3	.2									52	52	63	33											
52/ 51		.9	.8	.3	1.1	1.0	.9	.1	.2									48	48	53	38											
50/ 49		.5	.2	.2	.2	.4	.2	.3										20	20	78	23											
48/ 47		.4	.2	.4	.6	.4	.1											21	21	81	49											
46/ 45		.9		.6		.6	.4											24	24	71	47											
44/ 43		.5	.4	.3	.2	.8												21	21	61	37											
42/ 41		.6	.5	.2	.8	.6												26	26	48	45											
40/ 39		.1	.3	.1	.3	.3												11	11	37	39											
38/ 37			.2	.1	.1	.1												5	5	23	57											
36/ 35					.1	.2												3	3	11	57											
34/ 33					.1													1	1	24	35											
32/ 31																				7	35											
30/ 29																				5	42											
28/ 27																					35											
26/ 25																				3	37											
24/ 23																					12											
22/ 21																					10											
20/ 19																					25											
18/ 17																					21											
Element (X)	Σ x²			Σ x			x̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

DEC
MONTH

1200-1400
HOURS (L S T)

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
15																						7
14																						12
13																						6
12																						8
11																						1
10																						1
9																						1
8																						1
7																						1
6																						1
5																						1
4																						1
3																						1
2																						1
TOTAL		8.2	7.5	6.8	9.5	16.6	14.7	13.4	10.0	8.2	3.2	1.4	.3	.2				930	930	930	930	

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.	2671710	45984	49.4	20.699	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3716745	58029	62.4	10.161	930			36.4	15.9	2.2		93
Wet Bulb	2574699	48215	51.8	8.987	930		.9	3.9	.1			93
Dew Point	1737383	38177	41.1	13.535	930		26.6	.5				93

USAFETAC
FORM
JUN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 ~~1800-2000~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80

YEARS

OEC
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
74/ 73			.3																													3		3		
72/ 71		.3	1.0	.2																												14		14		
70/ 69		.1	1.2	.4								.1																				17		17	6	3
68/ 67		.2	1.5	.4	.1			.3		.1																						25		25	16	6
66/ 65		1.2	1.6	.2			.2	.1	.1	.1	.1																					34		34	12	10
64/ 63		1.1	.5	.5		.1				.1																						22		22	31	19
62/ 61	.2	1.3	.4	.6	.3		.1	.2	.1																							31		31	30	31
60/ 59	.1	2.0	1.7	.6	.5		.2	.1	.1																							51		51	22	31
58/ 57	.1	2.9	2.2	.6	.9	.4	.6	.1	.1																							74		74	31	22
56/ 55	.1	1.4	2.2	1.0	1.4	1.0	.3	.2																								70		70	54	32
54/ 53		1.7	1.8	1.6	1.3	.5	.2	.1																								68		68	51	41
52/ 51	.3	.3	2.0	1.0	1.6	1.4	.4																									66		66	48	45
50/ 49		1.9	1.6	1.4	.9	1.3	.1																									67		67	59	32
48/ 47		2.0	1.8	1.8	1.1	.9	.2																									73		73	63	36
46/ 45		1.9	1.3	2.2	1.7	.6																										72		72	77	44
44/ 43		1.1	1.6	2.5	1.2	.4																										63		63	77	46
42/ 41	.1	1.2	1.6	1.2	1.0	.3																										50		50	65	49
40/ 39		.6	1.4	1.5	.5	.3																										41		41	70	47
38/ 37		1.8	1.0	.9	.2																											36		36	71	47
36/ 35		.4	1.3	.4	.1																											21		21	47	55
34/ 33		.4	.5	.4	.1																											14		14	42	53
32/ 31		.1	.1	.4																												6		6	31	58
30/ 29		.1	.2	.2																												5		5	12	43
28/ 27			.4																													4		4	3	50
26/ 25																																			9	40
24/ 23																																		4		16
22/ 21																																				22
20/ 19																																				15
18/ 17																																				12
16/ 15																																				8
14/ 13																																				7
12/ 11																																				6
10/ 9																																				1
Element (X)	Σx'		Σx		Σ		Σ _a		No. Obs.		Mean No. of Hours with Temperature							Total																		
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1

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[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
106/105																	.0		2	2					
104/103																	.0	.0	14	14					
102/101														.0	.0	.0	.0		42	42					
100/ 99											.0	.0	.1	.0	.0	.0	.0		151	151					
98/ 97											.0	.1	.1	.1	.0	.0	.0		321	321					
96/ 95									.0	.0	.1	.2	.3	.1	.0	.0	.0		645	645					
94/ 93								.0	.0	.2	.3	.4	.1	.0	.0	.0	.0		954	954					
92/ 91							.0	.0	.2	.4	.6	.2	.0	.0	.0	.0	.0	.0	1388	1388					
90/ 89					.0	.0	.2	.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	1911	1911					
88/ 87					.0	.2	.7	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	2060	2060					
86/ 85			.0	.0	.1	.8	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2452	2452					
84/ 83			.0	.1	.6	.9	.6	.4	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	2740	2740					
82/ 81		.0	.1	.6	1.0	.7	.6	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	3202	3202	27				
80/ 79		.0	.6	1.2	1.0	.8	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	4138	4138	196				
78/ 77	.0	.3	1.8	1.3	.8	.5	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	4931	4931	1685				
76/ 75	.0	.9	2.3	1.4	.8	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5886	5886	5864				
74/ 73	.1	1.4	2.1	1.2	.4	.3	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	5505	5505	9503				
72/ 71	.0	1.6	1.9	.8	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0					5195	5195	7579				
70/ 69	.1	1.4	1.8	.5	.4	.3	.2	.2	.2	.1	.1	.0	.0						4652	4652	6729				
68/ 67	.1	1.1	1.4	.5	.4	.2	.2	.2	.2	.1	.1	.0							3951	3952	5652				
66/ 65	.1	1.2	1.0	.5	.3	.2	.2	.2	.2	.1	.1	.0							3576	3576	4409				
64/ 63	.1	1.2	.7	.5	.3	.3	.2	.2	.2	.1	.0	.0							3273	3273	4338				
62/ 61	.1	1.1	.6	.4	.3	.3	.2	.2	.1	.1	.0								3131	3131	3541				
60/ 59	.1	1.0	.8	.4	.3	.3	.2	.3	.1	.0	.0								3033	3033	3486				
58/ 57	.1	.9	.6	.3	.3	.3	.2	.2	.1	.0									2741	2741	3205				
56/ 55	.1	.8	.6	.3	.4	.3	.3	.1	.0	.0									2581	2581	3245				
54/ 53	.1	.7	.6	.4	.3	.3	.2	.1	.0	.0									2347	2347	2953				
52/ 51	.1	.7	.7	.3	.3	.3	.1	.1	.0										2245	2245	2742				
50/ 49	.1	.7	.7	.4	.3	.2	.1	.0	.0										2239	2239	2858				
48/ 47	.0	.7	.5	.5	.3	.2	.1	.0											1931	1931	2927				
46/ 45	.0	.7	.5	.4	.3	.1	.1	.0											1898	1898	2788				
44/ 43	.1	.5	.5	.4	.2	.1	.0	.0											1561	1561	2486				
42/ 41	.0	.6	.5	.4	.2	.1	.0												1540	1540	2106				
40/ 39	.1	.5	.5	.2	.2	.1	.0												1360	1361	1963				
Element (X)	2X ²			2X			X		X ²		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
36 / 37	.0	.6	.3	.2	.1	.0												1137	1137	1852	2118											
35 / 35	.0	.4	.4	.2	.1	.0												953	953	1461	2264											
34 / 33	.0	.3	.3	.1	.0	.0												685	686	1204	1935											
32 / 31	.0	.2	.2	.1	.0													544	544	989	2210											
30 / 29	.0	.1	.2	.0	.0													293	293	740	1630											
28 / 27	.0	.1	.1	.0	.0													209	209	460	1374											
26 / 25	.0	.0	.1	.0														89	89	329	1149											
24 / 23	.0	.0	.0	.0														59	59	143	688											
22 / 21	.0	.0	.0	.0														37	37	87	824											
20 / 19	.0	.0	.0															17	17	52	757											
18 / 17		.0	.0															7	7	18	453											
16 / 15		.0																2	2	8	393											
14 / 13		.0																1	1	3	247											
12 / 11																				1	178											
10 / 9																					114											
8 / 7																					66											
6 / 5																					38											
4 / 3																					26											
2 / 1																					8											
0 / -1																					6											
-2 / -3																					5											
-4 / -5																					1											
TOTAL	1.6	19.8	22.2	13.8	10.0	8.5	6.8	5.8	4.3	3.1	2.0	1.2	.6	.3	.1	.0	.0	87629	87632	87629	87629											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722536 RANDOLPH AFB TX

69-70,73-81

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-00	MEAN	43.9	48.8	56.3	62.3	68.1	73.1	75.8	75.3	71.2	62.1	53.7	49.0	61.7	
	S D	10.257	9.936	9.097	8.138	6.274	4.767	2.888	3.339	5.846	9.019	11.110	10.250	13.424	
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955	
0-05	MEAN	42.7	47.1	54.5	60.8	66.8	71.8	74.4	73.8	69.8	60.3	52.1	47.3	60.2	
	S D	10.520	10.286	9.895	8.765	6.997	5.250	2.426	3.452	6.387	9.522	11.511	10.700	13.723	
	TOTAL OBS	930	845	930	900	930	900	930	930	899	930	900	930	10954	
0-10	MEAN	42.0	46.4	54.3	61.6	68.4	73.4	75.8	75.0	70.5	60.8	51.9	46.7	60.6	
	S D	10.622	10.489	9.913	8.269	6.404	4.933	3.128	3.709	6.264	9.300	11.384	10.837	14.339	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
0-11	MEAN	47.7	53.4	61.7	68.6	75.4	81.0	83.7	83.6	78.8	70.4	60.4	53.9	68.3	
	S D	10.710	10.119	8.626	6.884	5.408	4.818	4.316	4.075	5.995	7.950	10.020	9.417	14.349	
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955	
1-14	MEAN	54.3	60.5	68.5	74.4	80.6	86.5	89.8	89.2	84.4	76.6	67.0	61.0	74.5	
	S D	11.907	11.414	9.332	7.365	5.724	5.226	5.276	5.144	6.419	8.454	10.731	9.862	14.329	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
1-17	MEAN	56.4	63.2	70.9	76.2	82.0	88.0	91.2	90.5	85.3	77.6	68.1	62.4	76.0	
	S D	12.355	12.139	9.640	7.267	6.088	5.748	6.599	5.984	6.733	8.527	11.002	10.161	14.335	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
1-20	MEAN	50.6	57.7	65.2	70.9	76.9	83.0	86.4	85.0	78.9	70.3	60.6	55.7	70.2	
	S D	10.686	11.015	8.982	6.898	6.002	5.738	6.428	5.792	6.422	8.053	10.046	9.022	14.238	
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950	
1-23	MEAN	46.3	52.1	59.2	65.2	71.0	76.4	79.6	78.6	73.4	64.7	55.7	51.1	64.5	
	S D	9.973	9.819	8.279	6.912	5.661	4.476	4.301	4.105	5.688	8.495	10.584	9.404	13.441	
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950	
ALL HOURS	MEAN	48.0	53.6	61.3	67.5	73.6	79.2	82.1	81.4	76.5	67.9	58.7	53.4	67.0	
	S D	11.999	12.186	10.987	9.414	8.217	7.855	7.760	7.673	8.504	10.830	12.369	11.435	15.187	
	TOTAL OBS	7440	6767	7439	7200	7434	7199	7440	7440	7199	7440	7200	7434	87632	

AL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722 36 RANDOLPH AFB TX

69-70,73-81

STATION		STATION NAME											YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL										
L-12	MEAN	40.8	45.0	51.9	58.7	64.6	69.5	71.4	71.2	67.8	58.5	50.4	45.1	58.0										
	S D	10.475	10.286	9.744	8.719	6.508	4.648	2.120	2.781	6.236	9.281	11.466	10.650	13.482										
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	929	10954										
L-15	MEAN	39.8	43.8	50.9	57.7	63.7	68.8	71.1	70.7	67.0	57.4	49.2	44.1	57.1										
	S D	10.730	10.613	10.451	9.199	7.123	5.129	2.217	3.220	6.806	9.849	11.868	11.153	13.928										
	TOTAL OBS	930	845	930	900	930	899	930	930	899	930	900	930	10953										
L-18	MEAN	39.2	43.3	50.7	58.2	64.7	69.8	72.1	71.6	67.6	57.8	49.0	43.7	57.4										
	S D	10.817	10.813	10.505	8.807	6.630	4.774	2.388	3.160	6.622	9.767	11.786	11.285	14.341										
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955										
L-11	MEAN	43.0	47.8	54.7	61.6	67.9	72.4	74.1	74.2	70.8	62.7	53.9	48.3	61.0										
	S D	10.426	9.944	8.856	7.266	5.470	3.910	1.954	1.999	5.382	8.142	10.434	9.936	13.120										
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955										
L-14	MEAN	46.5	51.1	57.5	63.9	69.8	73.5	74.7	74.5	71.8	64.4	56.5	51.6	63.0										
	S D	10.342	9.587	8.362	6.994	5.327	3.839	1.992	2.142	4.890	7.582	10.091	9.333	12.104										
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956										
L-17	MEAN	47.5	52.0	58.1	64.3	70.2	73.6	74.3	74.3	71.6	64.2	56.6	51.8	63.3										
	S D	10.183	9.420	8.130	6.851	5.303	3.781	2.120	2.176	4.692	7.186	9.791	8.987	11.728										
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956										
L-20	MEAN	44.7	49.4	55.6	62.2	68.3	72.3	73.2	72.9	69.7	61.8	53.5	48.6	61.1										
	S D	9.951	9.543	8.389	7.315	5.551	3.925	2.169	2.339	5.151	7.544	10.133	9.080	12.334										
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950										
L-23	MEAN	42.3	46.9	53.3	60.0	66.0	70.6	72.0	71.9	68.3	59.7	51.3	46.3	59.1										
	S D	10.078	9.882	8.933	7.899	5.946	4.185	2.097	2.569	5.836	8.503	10.993	9.775	12.940										
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950										
ALL HOURS	MEAN	43.0	47.4	54.1	60.8	66.9	71.3	72.9	72.7	69.3	60.8	52.6	47.4	60.0										
	S D	10.763	10.472	9.596	8.279	6.453	4.639	2.501	2.952	6.022	8.937	11.212	10.488	13.227										
	TOTAL OBS	7440	6766	7439	7200	7434	7198	7440	7440	7199	7440	7200	7433	87629										

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 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702536 RANDOLPH AFB TX

69-70,73-81

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0-02	MEAN	36.2	40.2	47.4	55.8	62.4	67.6	69.2	69.2	65.9	55.7	47.0	40.4	54.8											
	S D	13.003	13.052	12.547	10.718	7.492	5.145	2.637	3.252	7.263	10.753	13.562	13.340	15.485											
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	929	10954											
0-05	MEAN	35.6	39.4	47.0	55.1	61.8	67.2	69.5	69.2	65.4	55.0	46.0	39.9	54.3											
	S D	13.173	13.352	12.894	11.013	7.903	5.559	2.551	3.548	7.670	11.227	13.894	13.656	15.845											
	TOTAL OBS	930	845	930	900	930	899	930	930	899	930	900	930	10953											
0-10	MEAN	35.0	39.1	46.9	55.6	62.4	68.0	70.3	70.0	65.8	55.3	45.8	39.6	54.6											
	S D	13.136	13.441	12.990	10.730	7.692	5.408	2.580	3.398	7.508	11.288	13.934	13.739	16.183											
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955											
0-11	MEAN	36.8	41.4	48.2	56.3	63.6	68.2	69.7	70.0	66.7	57.2	47.5	41.6	55.7											
	S D	13.530	13.604	12.909	10.799	7.647	5.042	2.557	2.699	7.041	11.197	14.403	13.878	15.668											
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955											
1-14	MEAN	37.5	41.4	47.9	56.4	63.9	67.4	67.8	67.9	65.5	56.1	47.1	41.7	55.1											
	S D	13.781	13.553	13.215	11.161	7.797	5.273	3.296	3.201	6.969	11.158	14.607	14.037	15.321											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956											
1-17	MEAN	37.5	40.6	47.0	56.0	63.7	66.7	66.6	66.8	64.6	55.0	46.4	41.1	54.4											
	S D	13.513	13.420	13.121	11.489	7.883	5.433	3.825	3.685	7.055	10.884	14.431	13.535	15.161											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956											
1-20	MEAN	37.4	40.4	46.8	55.6	63.3	67.0	66.9	67.1	64.8	55.6	46.6	40.7	54.4											
	S D	13.044	13.344	12.853	11.368	7.677	5.365	3.735	3.706	7.057	10.260	13.829	12.953	15.064											
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950											
1-23	MEAN	36.9	40.9	47.4	55.9	62.9	67.7	68.3	68.6	65.4	56.0	46.9	40.5	54.9											
	S D	12.834	13.164	12.534	10.734	7.338	5.061	2.818	3.341	7.242	10.245	13.496	12.859	15.165											
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950											
ALL HOURS	MEAN	36.6	40.4	47.3	55.8	63.0	67.5	68.6	68.6	65.5	55.7	46.7	40.7	54.8											
	S D	13.284	13.383	12.887	11.008	7.710	5.306	3.297	3.559	7.253	10.898	14.029	13.519	15.496											
	TOTAL OBS	7440	6766	7439	7200	7434	7198	7440	7440	7199	7440	7200	7433	87624											

2

RELATIVE HUMIDITY

RANDOLPH AFB TX

70,73-81

JAN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.6	97.2	90.3	79.9	67.3	45.9	18.4	75.7	930
	03-05	100.0	100.0	99.8	97.4	93.0	83.1	71.3	49.1	21.9	77.5	930
	06-08	100.0	100.0	99.7	97.7	93.1	84.1	69.7	49.2	20.5	77.3	930
	09-11	100.0	100.0	97.1	89.1	77.3	64.3	50.4	36.1	14.5	68.6	930
	12-14	100.0	98.8	86.9	73.0	57.5	44.3	30.5	18.4	7.2	57.2	930
	15-17	100.0	97.2	83.5	66.1	50.6	38.2	24.0	14.1	6.6	53.5	930
	18-20	100.0	99.8	95.2	84.3	71.0	56.3	39.9	23.9	9.1	63.6	930
	21-23	100.0	100.0	99.4	94.4	84.8	71.6	58.2	37.1	13.7	71.8	930
TOTALS		100.0	99.5	95.2	87.4	77.2	65.2	51.4	34.2	14.0	68.2	7440

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	98.2	95.0	88.2	78.1	63.9	42.9	16.4	74.2	846
	03-05	100.0	99.8	98.5	95.5	89.2	80.9	69.8	52.1	18.8	76.3	845
	06-08	100.0	100.0	98.5	95.4	90.2	81.3	70.5	55.6	22.1	77.4	845
	09-11	100.0	99.2	93.7	84.4	75.2	62.5	52.4	36.9	13.1	67.5	846
	12-14	100.0	95.2	81.2	68.3	54.0	38.2	25.3	15.6	5.0	54.0	846
	15-17	99.6	91.4	74.7	59.2	41.8	28.3	18.2	11.9	3.5	48.5	846
	18-20	99.6	95.6	87.9	75.2	58.5	44.4	29.9	16.4	5.3	57.0	846
	21-23	100.0	98.7	97.0	91.5	79.6	65.4	51.5	31.9	9.1	68.3	846
TOTALS		99.9	97.5	91.2	83.1	72.1	59.9	47.7	32.9	11.7	65.4	6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A - WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.3	94.7	88.3	78.5	63.6	42.7	15.1	74.0	929
	03-05	100.0	100.0	98.7	96.3	91.3	83.8	70.3	50.4	22.9	77.4	930
	06-08	100.0	100.0	98.6	96.3	91.7	83.5	72.2	51.9	23.3	77.8	930
	09-11	100.0	98.6	93.1	83.5	69.6	59.2	46.0	29.2	11.0	64.9	930
	12-14	99.8	93.9	81.2	64.5	50.3	34.3	23.2	13.5	5.2	52.3	930
	15-17	99.9	89.8	73.0	57.2	39.5	26.3	17.3	8.6	3.3	47.3	930
	18-20	100.0	95.8	84.5	71.8	57.7	44.1	28.8	14.5	4.4	55.8	930
	21-23	100.0	99.0	96.2	88.2	79.0	65.5	51.4	30.1	8.7	67.7	930
TOTALS		100.0	97.1	90.5	81.6	70.9	59.7	46.6	30.1	11.7	64.7	7439

USAFETAC

FORM
JL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81

APR
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	99.9	99.4	98.0	95.0	90.0	82.7	60.3	19.2	80.1	900
	03-05	100.0	100.0	99.4	98.3	96.2	90.8	85.0	67.8	25.1	82.1	900
	06-08	100.0	100.0	99.9	98.0	95.8	90.7	82.8	64.2	24.9	81.4	900
	09-11	100.0	99.8	95.9	88.6	78.8	68.8	50.6	28.8	9.8	67.7	900
	12-14	100.0	97.4	89.4	76.1	64.2	42.2	23.0	13.9	4.8	56.9	900
	15-17	100.0	95.6	84.6	70.4	55.7	34.3	21.0	10.8	3.2	53.2	900
	18-20	100.0	99.0	92.4	82.1	70.8	54.8	37.1	17.3	4.2	61.5	900
	21-23	100.0	99.7	99.3	95.3	89.6	79.9	65.3	39.6	11.3	73.5	900
TOTALS		100.0	98.9	95.0	88.4	80.8	68.9	55.9	37.8	12.8	69.6	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.8	99.6	99.5	98.0	90.5	61.9	15.1	82.2	930
	03-05	100.0	100.0	100.0	99.9	99.4	98.4	93.3	69.2	21.2	84.0	930
	06-08	100.0	100.0	100.0	99.9	98.3	94.9	87.8	64.1	14.8	81.7	930
	09-11	100.0	100.0	98.9	95.5	87.6	71.1	48.2	20.2	3.3	68.0	930
	12-14	100.0	99.9	97.0	89.0	72.2	42.5	20.5	7.1	1.1	58.5	930
	15-17	100.0	99.8	95.7	85.2	63.2	32.2	15.9	7.0	1.3	55.7	930
	18-20	100.0	99.9	98.7	94.0	83.9	62.1	33.1	14.3	2.6	64.4	927
	21-23	100.0	100.0	99.7	99.5	97.8	91.3	74.1	37.4	7.2	76.1	927
TOTALS		100.0	100.0	98.7	95.3	87.7	73.8	57.9	35.2	8.3	71.3	7434

GLOBAL CLIMATOLOGY BRANCH
JGAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX

STATION NAME

69-70, 73-80

PERIOD

JUN

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.9	98.8	94.0	72.3	7.4	82.9	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	97.2	83.2	17.1	85.6	899
	06-08	100.0	100.0	100.0	100.0	99.4	97.6	93.4	69.8	11.9	83.1	900
	09-11	100.0	100.0	100.0	98.3	93.0	69.4	33.1	8.3	.2	65.8	899
	12-14	100.0	100.0	99.1	90.4	62.3	21.6	5.9	2.6	.4	53.8	900
	15-17	100.0	100.0	96.6	81.1	47.3	14.1	6.0	3.3	.7	50.5	900
	18-20	100.0	100.0	99.0	92.9	76.1	46.2	20.4	5.4	.7	59.8	900
	21-23	100.0	100.0	100.0	100.0	98.4	91.8	70.9	31.7	1.9	74.8	900
TOTALS		100.0	100.0	99.3	95.3	84.6	67.3	52.6	34.6	5.0	69.5	7198

USAFETAC FORM 0-87-5 (OL A)

JUL
MONTH

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.8	97.1	88.0	53.5	7.7	80.1	930
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.3	80.2	13.4	84.8	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	96.3	68.4	11.1	83.3	930
	09-11	100.0	100.0	100.0	98.9	88.8	58.7	25.4	7.2	.6	63.5	930
	12-14	100.0	99.9	98.0	78.3	38.1	16.1	6.6	3.2	.1	49.7	930
	15-17	100.0	99.6	92.5	58.1	29.8	14.9	9.1	4.5	.4	46.4	930
	18-20	100.0	100.0	96.7	81.1	54.2	31.3	15.5	8.0	.9	54.3	930
	21-23	100.0	100.0	100.0	99.2	94.0	74.1	49.9	19.1	2.3	69.4	930
TOTALS		100.0	99.9	98.4	89.5	75.6	61.5	48.5	30.5	4.6	66.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX

69-70, 73-80

AUG
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	96.6	90.0	62.8	8.9	81.5	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	95.9	82.9	21.2	85.5	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	95.9	76.8	17.0	84.5	930
	09-11	100.0	100.0	100.0	99.7	91.0	60.4	28.8	8.7	.4	64.5	930
	12-14	100.0	100.0	98.9	84.3	41.9	13.1	7.4	3.9	.2	50.5	930
	15-17	100.0	100.0	95.9	66.3	27.0	16.0	9.1	3.4	.3	47.2	930
	18-20	100.0	100.0	98.5	87.4	64.9	35.2	19.0	7.6	.3	56.8	930
	21-23	100.0	100.0	100.0	99.6	95.5	84.0	58.0	27.1	2.6	72.1	930
TOTALS		100.0	100.0	99.2	92.2	77.5	62.9	50.5	34.2	6.4	67.8	7440

722536	RANDOLPH AFB TX
STATION	STATION NAME

69-70, 73-80

SEP
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	99.7	99.3	96.8	92.2	72.7	16.1	83.5	900
	03-05	100.0	100.0	100.0	99.9	99.7	98.4	94.3	81.2	23.0	85.9	899
	06-08	100.0	100.0	100.0	100.0	99.4	98.4	92.7	77.2	20.8	85.1	900
	09-11	100.0	100.0	99.9	96.6	88.4	70.3	45.1	19.3	1.8	67.7	900
	12-14	100.0	100.0	96.9	85.7	58.6	29.1	13.6	5.6	.7	54.6	900
	15-17	100.0	99.6	94.2	76.7	47.3	23.2	14.4	6.8	.7	51.9	900
	18-20	100.0	100.0	98.8	93.0	78.8	54.7	36.0	15.9	1.3	63.6	900
	21-23	100.0	100.0	100.0	98.9	97.1	90.2	74.8	42.9	6.1	76.5	900
TOTALS		100.0	100.0	98.7	93.8	83.6	70.1	57.9	40.2	8.8	71.1	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80

PERIOD

OCT
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	97.5	95.8	91.4	82.3	60.3	20.6	80.5	930
	03-05	100.0	100.0	100.0	98.5	96.3	93.9	87.5	70.0	29.1	83.4	930
	06-08	100.0	100.0	100.0	98.4	95.9	93.1	85.9	68.2	28.5	82.9	930
	09-11	100.0	99.7	97.2	90.3	77.2	59.9	42.6	22.9	5.5	65.1	930
	12-14	100.0	98.1	88.9	72.0	47.4	26.0	14.5	8.5	1.5	51.6	930
	15-17	100.0	97.3	85.2	62.8	40.9	20.3	12.4	7.5	1.5	48.5	930
	18-20	100.0	99.8	96.1	88.4	73.3	53.3	31.1	15.3	3.2	61.9	930
	21-23	100.0	100.0	99.5	97.4	93.0	82.0	67.1	40.9	8.3	74.5	930
TOTALS		100.0	99.4	95.9	88.2	77.5	65.0	52.9	36.7	12.3	68.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.9	98.9	94.2	86.9	74.8	57.9	19.1	79.1	900
	03-05	100.0	100.0	99.6	98.2	95.0	89.3	79.3	59.8	24.2	80.5	900
	06-08	100.0	100.0	99.0	97.8	96.0	89.1	80.8	62.4	23.0	80.7	900
	09-11	100.0	99.7	95.1	84.8	73.3	61.0	45.8	30.3	8.0	65.3	900
	12-14	100.0	97.0	82.7	67.8	51.7	35.0	19.7	9.6	2.2	52.2	900
	15-17	100.0	94.2	78.0	64.2	46.2	28.4	16.3	8.8	2.0	49.4	900
	18-20	100.0	99.7	94.9	84.0	72.3	57.6	36.2	18.3	3.6	62.3	900
	21-23	100.0	100.0	99.3	97.1	90.0	79.4	62.7	40.9	10.4	73.7	900
TOTALS		100.0	98.8	93.6	86.6	77.3	65.8	52.0	36.0	11.6	67.9	7200

USAFETAC

FORM
JUN 64

0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	99.9	99.2	96.6	88.3	76.7	62.8	41.9	15.5	73.7	929
	03-05	100.0	100.0	100.0	97.4	91.6	80.8	69.5	51.6	18.3	76.6	930
	06-08	100.0	100.0	99.8	97.4	93.2	83.2	71.0	54.4	18.3	77.5	930
	09-11	100.0	99.6	95.7	87.1	72.8	59.1	46.2	30.5	10.0	66.0	930
	12-14	100.0	96.8	85.9	65.2	48.8	35.4	24.2	14.5	4.2	53.0	930
	15-17	100.0	95.9	79.9	59.1	42.4	28.4	17.5	11.3	3.0	49.4	930
	18-20	100.0	99.1	95.5	81.9	63.1	46.3	29.9	17.5	5.6	59.7	927
	21-23	100.0	99.7	98.4	93.7	81.6	67.1	53.8	31.4	8.8	69.2	927
TOTALS		100.0	98.9	94.3	84.8	72.7	59.6	46.9	31.6	10.5	65.6	7433

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-81
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.5	95.2	87.4	77.2	65.2	51.4	34.2	14.0	66.2	7440
FEB		99.9	97.5	91.2	83.1	72.1	59.9	47.7	32.9	11.7	65.4	6766
MAR		100.0	97.1	90.5	81.6	70.9	59.7	46.6	30.1	11.7	64.7	7439
APR		100.0	98.9	95.0	88.4	80.8	68.9	55.9	37.8	12.8	69.6	7200
MAY		100.0	100.0	98.7	95.3	87.7	73.8	57.9	35.2	8.3	71.3	7434
JUN		100.0	100.0	99.3	95.3	84.6	67.3	52.6	34.6	5.0	69.5	7198
JUL		100.0	99.9	98.4	89.5	75.6	61.5	48.5	30.5	4.6	66.4	7440
AUG		100.0	100.0	99.2	92.2	77.5	62.9	50.5	34.2	6.4	67.8	7440
SEP		100.0	100.0	98.7	93.8	83.6	70.1	57.9	40.2	8.8	71.1	7199
OCT		100.0	99.4	95.9	88.2	77.5	65.0	52.9	36.7	12.3	68.6	7440
NOV		100.0	98.8	93.6	86.6	77.3	65.8	52.0	36.0	11.6	67.9	7200
DEC		100.0	98.9	94.3	84.8	72.7	59.6	46.9	31.6	10.5	65.6	7433
TOTALS		100.0	99.2	95.8	88.9	78.1	65.0	51.7	34.5	9.8	68.0	87629

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

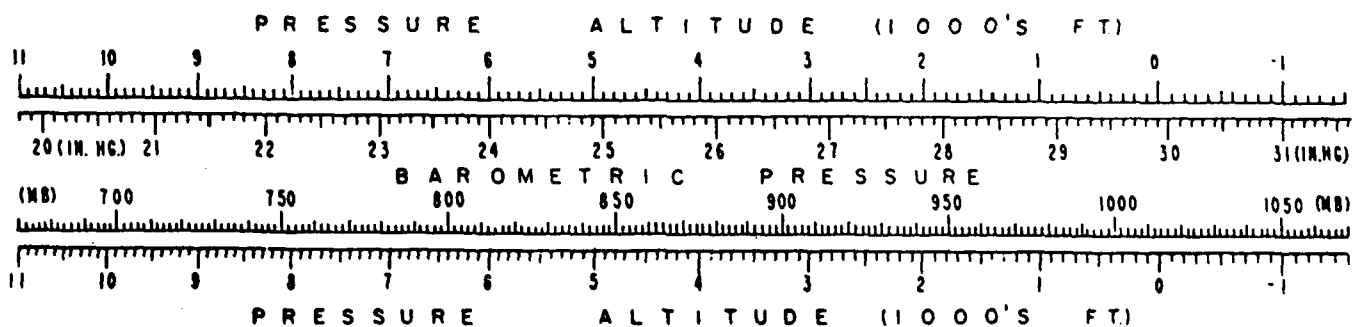
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2
 CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

702536

RANDOLPH AFB TX

69-70,73-81

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	MEAN	29.311	29.294	29.152	29.151	29.106	29.150	29.187	29.176	29.169	29.230	29.283	29.287	29.208
	S D	.192	.194	.171	.159	.136	.098	.064	.067	.093	.139	.177	.187	.161
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1	MEAN	29.298	29.280	29.136	29.129	29.083	29.136	29.177	29.167	29.156	29.219	29.271	29.273	29.193
	S D	.193	.194	.173	.159	.136	.100	.064	.068	.095	.140	.176	.186	.162
	TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650
2	MEAN	29.298	29.283	29.147	29.144	29.100	29.154	29.193	29.179	29.169	29.232	29.280	29.273	29.204
	S D	.193	.194	.174	.160	.135	.099	.066	.068	.096	.144	.178	.188	.161
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
3	MEAN	29.342	29.326	29.190	29.183	29.136	29.182	29.221	29.209	29.202	29.273	29.324	29.317	29.242
	S D	.196	.195	.176	.161	.138	.099	.066	.069	.097	.145	.181	.189	.164
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
4	MEAN	29.336	29.323	29.177	29.169	29.118	29.167	29.204	29.194	29.187	29.252	29.304	29.305	29.277
	S D	.197	.197	.177	.161	.137	.100	.066	.070	.097	.146	.184	.189	.166
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
5	MEAN	29.258	29.242	29.101	29.108	29.068	29.118	29.150	29.132	29.122	29.184	29.233	29.232	29.162
	S D	.196	.195	.175	.160	.137	.101	.067	.071	.098	.145	.182	.188	.162
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
6	MEAN	29.265	29.236	29.087	29.087	29.040	29.087	29.119	29.107	29.113	29.183	29.239	29.239	29.150
	S D	.197	.195	.173	.158	.139	.101	.069	.071	.099	.145	.180	.185	.166
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650
7	MEAN	29.301	29.277	29.134	29.133	29.082	29.123	29.153	29.150	29.159	29.225	29.280	29.276	29.190
	S D	.196	.191	.173	.160	.134	.100	.067	.068	.095	.141	.179	.185	.164
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	29.301	29.283	29.141	29.138	29.092	29.139	29.175	29.164	29.160	29.225	29.277	29.275	29.197
	S D	.197	.197	.177	.162	.139	.104	.073	.076	.100	.146	.182	.189	.166
	TOTAL OBS	2440	2255	2440	2400	2478	2400	2480	2480	2399	2480	2400	2478	29210

GENERAL CLIMATOLOGY BRANCH
 WETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

77236 RANDOLPH AFB TX

69-70, 73-81

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0	MEAN	1020.7	1019.9	1014.7	1014.5	1012.7	1014.1	1015.3	1014.9	1014.8	1017.2	1019.3	1019.6	1016.5											
	S D	6.874	6.922	6.077	5.623	4.781	3.466	2.267	2.425	3.342	5.002	6.364	6.708	5.843											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
	MEAN	1020.2	1019.3	1014.1	1013.7	1011.9	1013.6	1015.0	1014.6	1014.4	1016.7	1018.8	1019.1	1015.9											
	S D	6.932	6.914	6.169	5.638	4.823	3.523	2.288	2.484	3.386	5.046	6.329	6.676	5.889											
	TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650											
	MEAN	1020.2	1019.5	1014.5	1014.2	1012.5	1014.2	1015.5	1015.1	1014.8	1017.3	1019.2	1019.1	1016.3											
	S D	6.938	6.934	6.210	5.668	4.779	3.500	2.328	2.486	3.427	5.177	6.390	6.734	5.842											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
	MEAN	1021.5	1021.0	1016.0	1015.6	1013.8	1015.2	1016.5	1016.1	1016.0	1018.7	1020.8	1020.7	1017.7											
	S D	7.055	6.966	6.232	5.727	4.846	3.480	2.338	2.461	3.480	5.201	6.474	6.768	5.947											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
1	MEAN	1021.6	1020.9	1015.5	1015.1	1013.2	1014.7	1015.9	1015.6	1015.4	1017.9	1020.0	1020.2	1017.1											
	S D	7.049	7.025	6.301	5.704	4.837	3.549	2.352	2.525	3.464	5.234	6.539	6.765	6.001											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
	MEAN	1018.8	1018.0	1012.9	1013.0	1011.4	1013.0	1014.0	1013.4	1013.2	1015.6	1017.5	1017.6	1014.8											
	S D	7.047	6.977	6.221	5.697	4.842	3.601	2.412	2.615	3.487	5.209	6.514	6.721	5.868											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
	MEAN	1019.1	1017.9	1012.4	1012.2	1010.4	1011.9	1012.9	1012.5	1012.8	1015.5	1017.8	1017.9	1014.4											
	S D	7.073	6.981	6.132	5.611	4.856	3.591	2.494	2.598	3.540	5.210	6.483	6.652	6.048											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650											
1	MEAN	1020.4	1019.3	1014.1	1013.8	1011.9	1013.1	1014.1	1014.0	1014.4	1017.0	1019.2	1019.3	1015.9											
	S D	7.044	6.863	6.136	5.656	4.676	3.554	2.386	2.487	3.446	5.066	6.431	6.618	5.975											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	309	300	309	3649											
ALL HOURS	MEAN	1020.4	1019.5	1014.3	1014.0	1012.2	1013.7	1014.9	1014.5	1014.5	1017.0	1019.1	1019.2	1016.1											
	S D	7.060	7.021	6.280	5.748	4.900	3.667	2.597	2.736	3.580	5.233	6.508	6.766	6.012											
	TOTAL OBS	2490	2255	2480	2400	2478	2400	2480	2480	2480	2399	2479	2400	2478	29209										

